

# AIR QUALITY MONITORING REPORTS

## 1978

### Volume 2



CA20N  
EV 665

A35  
v.2



Ontario

Ministry  
of the  
Environment

Hon. Harry C. Parrott, D.D.S.,  
Minister

Graham W. S. Scott,  
Deputy Minister

Copyright Provisions and Restrictions on Copying:

This Ontario Ministry of the Environment work is protected by Crown copyright (unless otherwise indicated), which is held by the Queen's Printer for Ontario. It may be reproduced for non-commercial purposes if credit is given and Crown copyright is acknowledged.

It may not be reproduced, in all or in part, for any commercial purpose except under a licence from the Queen's Printer for Ontario.

For information on reproducing Government of Ontario works, please contact ServiceOntario Publications at [copyright@ontario.ca](mailto:copyright@ontario.ca)



# AIR QUALITY MONITORING REPORT

## ONTARIO 1978

### VOL.2



Ministry  
of the  
Environment

Hon. Harry C. Parrott, D.D.S.,  
Minister

Graham W. S. Scott,  
Deputy Minister

VOLUME 2SULPHUR DIOXIDEC O N T E N T S

Station Number	Location	No. of Months	Page
12008	467 University Ave, Windsor	12	1
12013	Wyandotte St., Windsor	12	8
12015	Hwy 18 - Prospect, Windsor	12	15
12016	College - South St., Windsor	12	22
12032	Morton Dock, Windsor	12	29
14004	Hydro SS, Concession 14/15, Courtright	12	36
14016	Lambton G.S., Hwy 40, Courtright	12	43
14049	156 Victoria St., Sarnia	12	50
14062	252 Indian Rd.S., Sarnia	12	57
14064	Centennial Park, Front St./CN Tracks, Sarnia	6	64
15001	King-Rectory, London	12	68
18001	MacKenzie, RR2, Tiverton	12	75
21006	Post Office, Brantford	12	82
22071	Experimental Farm, Simcoe	12	89
22086	Cheapside Rd., 3 km S of Hwy 3, Nanticoke	8	96
26029	Edna/Frederick St., Kitchener	12	101
27013	P.S., Victoria/Leader, Niagara Falls	12	108
27027	P.S.301, Beatrice St, Welland	10	115
27037	North/Geneva St. St. Catharines	12	121
27038	Rosehill/MacDonald, Fort Erie	12	128
29008	North Park, Hamilton	12	135
29025	Barton-Wentworth, Hamilton	12	142
29026	Brampton-Woodward, Hamilton	6	149
29080	City Hall, Hamilton	6	153
31001	67 College St., 5th Floor, Toronto	12	157
31105	Sherbourne/Wilton, Toronto	12	164
33002	Pharmacy-Hwy 401, Scarborough	12	171
33003	Lawrence-Kennedy, Scarborough	12	178
33019	Met.Branch, Scarborough Bluffs, Scarborough	12	185
34002	Science Centre, Don Mills, North York	6	192
34007	Bathurst-Wilson, North York	12	196
35003	Elmcrest Rd., Etobicoke	12	203
35005	Queenway Hospital, Etobicoke	12	210
35033	Evans - Arnold, Etobicoke	12	217
35050	MOE Lab, Resources Rd., Etobicoke	12	224
44007	2037 Pine, Burlington	12	231
44010	1298 Rebecca St., Oakville	12	238
46100	Public School, Green Glade Rd., Mississauga	12	245
46110	Queensway West/Hurontario St., Mississauga	12	252
47041	Fed.Manpower Bldg, 48 Owen St., Barrie	12	259
48002	MTC Yard, Stouffville	12	266
51001	McDonald Gdns. Ottawa	12	273
52020	Churchill Park, Napier St., Kingston	12	280
56051	Memorial Park, Cornwall	12	287
59006	City Hall, 500 George St., Peterborough	12	294

VOLUME 2 (continued)

Station Number	Location	No.of Months	Page
61010	Lassie/Dickenson Rds., Balmertown	12	301
63012	Dawson Court, Thunder Bay	6	308
63022	Hospital, 35 Algoma St.N., Thunder Bay	6	312
63040	435 James St., Thunder Bay	12	316
71001	29 Hillcrest Ave, Wawa	12	323
71002	Goudreau, Algoma District	6	330
71022	Sault College, Queens St., Sault Ste. Marie	12	334
75016	Dept. of Transport, Verner	12	341
75020	Teacher's College, North Bay	12	348
77001	Penage, Sudbury District	12	355
77009	Burwash, Sudbury District	12	362
77010	Callum, Sudbury District	12	369
77012	Skead, Sudbury District	12	376
77013	Hanmer, Sudbury District	12	383
77014	Rayside, Sudbury District	12	390
77016	Ash Street, Sudbury	12	397
77017	Morgan, Sudbury District	12	404
77018	St.Charles, Sudbury District	12	411
77019	Grassy Lake, Sudbury District	6	418
77023	Happy Valley, Falconbridge	9	422
77028	Government/Edward, Coniston	12	427
77052	Lockerby, Sudbury Airshed	12	434
77065	Falconbridge Rd. Sudbury	12	441
77066	Temagami, Sudbury Airshed	6	448
77067	Chiniguchi, Sudbury Airshed	6	452
77075	Kennedy St., New Sudbury	12	456

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR												MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	1	1	1	1	1	1	1	3	2	2	2	2	1	2	1	1	1	1	1	1
2	1	1	1	1	2	2	4	5	3	3	4	7	4	3	3	4	2	3	4	4	3	3	4	4	3
3	4	4	5	6	7	8	7	6	5	6	7	4	2	1	1	1	1	1	2	1	3	1	5	5	4
4	3	***	2	2	4	2	2	3	8	10	6	5	***	10	9	5	9	7	6	8	4	5	7	7	6
5	7	7	5	4	5	4	3	3	5	6	5	4	7	6	6	3	3	4	3	3	3	3	3	2	4
6	3	3	3	3	3	3	2	3	***	2	2	1	***	2	1	1	1	1	1	***	***	***	***	***	2
7																									
8																									
9	***	***	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
11	0	0	1	4	4	3	5	7	6	3	4	3	3	3	2	3	3	4	5	4	4	6	6	6	4
12	6	6	7	3	3	5	4	9	5	3	4	4	15	9	2	3	1	1	1	3	3	2	2	2	4
13	2	1	1	2	1	2	3	3	2	4	4	2	4	6	9	10	7	5	5	4	3	4	5	4	3
14	4	3	2	2	2	3	2	1	1	1	1	2	1	1	1	2	1	1	1	1	0	1	2	1	2
15	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	5	1	1	1	1
16	1	2	3	6	8	6	4	3	1	1	2	2	2	4	4	4	4	3	2	2	3	2	2	2	3
17	2	2	1	2	2	2	2	3	3	2	3	4	4	3	4	6	6	5	4	3	3	2	2	2	3
18	3	2	1	2	1	2	2	1	2	1	2	2	2	2	2	1	1	0	0	0	1	1	1	1	1
19	1	2	1	2	1	0	0	0	0	0	3	2	9	4	2	3	5	7	7	3	3	4	5	4	3
20	4	5	3	2	2	2	3	2	3	3	2	0	1	1	1	1	1	0	0	1	3	3	0	1	2
21	1	0	0	1	1	0	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2	5	6	10	2
22	3	5	7	5	1	1	1	1	2	3	3	2	2	3	3	2	2	1	4	6	7	7	8	7	4
23	8	5	5	1	1	2	6	6	6	8	7	5	4	4	5	8	9	6	6	8	10	8	7	7	6
24	6	7	6	6	8	3	2	2	3	5	7	6	7	8	7	4	3	3	2	2	2	2	3	5	5
25	4	4	3	3	2	2	2	2	2	2	2	2	2	2	2	4	6	4	4	5	***	3	4	3	3
26	2	2	1	1	1	0	0	1	3	4	***	***	***	3	2	3	1	1	0	0	0	1	***	1	1
27	9	1	1	0	0	0	0	0	0	0	0	0	0	0	0	3	3	5	3	5	7	5	4	5	2
28	4	1	1	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
29	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	1	1	2	1	1	1	1
30	1	1	1	1	1	1	1	***	1	1	1	1	2	2	2	4	5	2	1	5	4	3	4	3	2
31	7	6	7	9	9	9	7	9	8	6	2	2	1	1	1	1	2	1	1	2	7	5	6	5	5
MEAN	3	3	2	3	2	2	2	3	3	3	3	2	3	3	3	3	3	2	3	3	3	3	3	3	2.7

PERCENTAGE OF DATA VALID - 89.4

PERCENTAGE OF DATA INVALID - 9.8

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008		467 UNIVERSITY AV WEST F2 WINDSOR												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	9	6	7	4	1	3	1	1	2	4	4	3	2	5	3	2	1	0	0	0	0	1	4	3
2	2	1	2	2	1	1	1	3	2	3	4	4	3	3	2	2	1	1	1	0	0	1	1	0	2
3	1	2	2	1	1	1	1	2	2	2	4	1	2	1	1	1	1	0	0	0	0	1	0	1	1
4	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	2	2	1	2	2	2	2	2	0	1
5	3	0	0	0	1	1	2	2	2	2	4	5	5	4	4	3	3	4	5	4	3	3	3	3	3
6	3	2	1	1	1	1	1	0	2	1	1	2	2	1	1	1	1	1	0	1	1	1	0	1	1
7	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	0	1	2	1	1
8	1	1	2	1	2	2	2	2	3	4	6	5	4	4	4	10	6	4	1	1	0	0	0	0	3
9	0	0	1	1	1	2	4	3	3	4	6	5	4	4	3	3	2	1	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	1	1	3	3	3	3	5	3	2	3	6	8	8	5	3	4	3
11	3	4	5	5	5	3	5	5	4	3	3	3	4	3	3	3	3	4	3	2	2	2	2	2	3
12	3	3	2	2	3	3	2	3	4	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3
13	2	2	2	2	2	3	2	2	1	1	1	2	2	1	1	1	5	5	4	1	1	0	0	0	2
14	1	1	1	1	1	2	2	1	1	1	1	1	2	2	3	2	2	1	2	2	2	2	1	1	1
15	1	1	1	1	2	2	2	2	2	3	3	4	4	5	5	4	4	3	2	2	3	2	3	3	3
16	4	4	4	3	3	3	2	4	2	5	3	3	2	2	2	1	2	5	5	3	4	4	3	2	3
17	4	3	3	6	8	7	10	9	5	2	3	2	7	5	4	4	4	5	5	2	4	3	2	3	5
18	2	1	9	8	3	***	4	3	3	4	4	6	3	3	2	3	2	1	1	0	0	0	0	1	3
19	1	0	1	1	1	1	1	1	1	2	1	1	2	3	2	2	1	1	1	1	1	0	0	0	1
20	0	0	1	1	0	0	0	0	2	0	3	4	4	2	3	4	4	***	1	2	1	0	0	1	1
21	2	2	1	1	1	1	1	0	1	1	1	2	1	3	1	1	1	0	0	0	1	0	0	2	1
22	2	4	3	3	2	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	3	5	6	2
23	7	7	6	7	2	1	2	1	1	2	4	6	11	7	7	4	4	4	6	6	5	6	4	4	5
24	3	3	***	2	4	6	7	5	7	2	8	7	3	7	6	1	1	1	2	1	1	1	***	3	4
25	3	2	2	2	2	2	4	3	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	1
26	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	1	1	2	1	1	1	1	1	1
28	1	0	0	0	1	1	1	0	0	0	1	2	9	3	2	6	2	***	1	1	1	1	2	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	1	0	0	1	1	1	1	1	3	1	1	1	1	1	1	2	2	
2	2	3	3	1	1	2	1	1	2	3	2	1	1	1	4	3	5	4	2	4	2	2	3	3	2
3	2	2	2	4	4	4	4	2	3	3	8	5	1	2	1	1	1	0	1	2	1	0	1	0	2
4	1	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
5	0	1	1	1	1	2	2	2	2	3	2	3	3	3	4	2	5	3	4	4	7	7	8	8	3
6	9	7	2	4	6	1	0	1	1	1	2	3	4	2	5	9	8	4	3	2	2	1	1	1	2
7	1	1	1	1	1	1	1	1	1	3	3	2	2	3	1	2	4	2	1	2	2	2	1	2	2
8	2	3	2	2	2	2	2	2	2	2	1	2	2	3	8	6	4	3	2	2	1	1	1	1	2
9	3	4	2	2	2	3	2	3	2	1	5	6	6	10	6	6	5	5	3	2	1	2	3	8	4
10	4	5	4	3	2	2	2	3	4	2	4	3	3	3	3	3	2	3	3	3	3	3	3	4	3
11	5	4	5	5	3	4	4	3	3	3	4	4	6	6	5	5	4	4	4	4	4	4	2	3	4
12	3	4	4	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1	1	3	3
13	1	1	1	1	2	2	2	3	3	3	3	2	1	1	1	2	4	5	3	4	3	3	3	3	2
14	3	2	2	2	1	1	1	2	2	2	3	2	2	5	3	4	2	2	1	1	2	2	1	1	2
15	2	2	1	1	2	1	1	1	2	5	2	2	3	2	2	2	2	1	1	1	1	1	1	1	2
16	0	1	0	0	0	1	0	0	0	0	0	1	2	2	2	2	2	2	1	1	2	2	2	3	1
17	3	2	2	1	2	2	2	2	2	0	2	2	1	1	2	2	1	1	2	1	1	1	2	2	2
18	2	1	1	2	2	4	7	9	7	6	7	4	3	2	3	4	4	2	2	1	1	3	4	3	4
19	7	6	6	3	2	2	4	2	2	2	3	2	3	3	3	3	3	3	2	2	2	2	2	2	3
20	2	2	3	2	2	2	2	2	2	5	5	4	4	4	3	3	3	2	2	2	2	2	2	2	3
21	2	2	2	1	2	3	4	2	2	2	2	4	2	3	0	0	0	1	1	1	1	1	1	1	2
22	1	3	4	6	3	1	1	1	4	10	7	4	4	2	6	4	2	4	2	2	1	2	1	1	3
23	***	2	1	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	0	1	0	0	0	0	1
24	0	0	0	0	0	0	0	0	1	3	5	5	1	1	1	1	3	3	4	6	2	1	0	0	2
25	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	1	0
26	1	1	1	1	1	1	1	***	1	1	1	1	2	2	2	2	2	5	4	2	2	2	2	2	2
27	2	2	1	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	2	5	4	2
28	4	3	3	4	3	2	2	1	1	5	6	7	5	4	2	2	2	2	2	1	2	2	2	2	3
29	5	4	1	1	1	0	1	0	0	0	0	0	0	1	0	0	0	1	1	1	0	0	1	1	1
30	0	0	0	0	0	0	1	1	2	5	6	5	5	3	10	7	4	3	2	2	2	1	1	1	3
31	1	1	1	1	1	1	1	0	0	1	0	***	2	-	-	3	3	3	2	2	2	-	2	3	2
MEAN	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	11	12	11	7	6	5	5	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	4
2	1	1	1	1	0	0	0	0	0	2	3	0	1	1	1	1	1	1	1	0	1	1	1	1	1
3	1	1	0	1	0	1	1	1	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1
4	1	2	1	1	1	1	1	1	1	1	4	3	3	2	1	0	0	1	0	1	1	1	1	1	1
5	0	0	0	1	0	0	2	1	1	2	2	1	1	2	4	5	2	3	2	2	2	1	1	1	2
6	1	1	3	2	1	1	1	1	0	0	1	1	1	2	1	1	1	1	1	1	1	2	2	1	1
7	1	1	0	0	1	3	3	6	4	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	1
8	0	0	0	1	1	0	0	0	0	0	0	1	1	1	2	1	1	2	2	1	1	0	0	0	1
9	0	6	2	1	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	1	1	2	-	1
10	0	***	0	0	0	0	0	0	1	2	3	***	-	3	-	2	2	1	1	1	2	1	1	1	1
11	2	2	-	***	1	0	1	1	-	***	-	2	2	4	2	2	3	3	4	3	3	5	3	1	2
12	-	***	2	1	2	1	1	1	2	4	-	4	2	1	-	***	3	3	4	5	5	5	4	6	3
13	5	4	3	2	2	1	0	0	1	0	1	1	0	1	1	0	1	1	0	0	1	1	2	2	1
14	5	6	7	5	1	2	1	1	1	1	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2
15	2	2	3	2	3	3	3	3	3	3	3	3	3	2	2	2	1	1	2	4	7	8	4	6	3
16	3	5	5	4	4	3	5	6	6	9	9	8	7	6	6	6	4	4	3	3	3	3	3	3	5
17	4	3	-	3	-	***	3	4	7	10	9	5	-	4	6	5	-	6	7	12	6	3	3	3	5
18	3	3	2	3	4	4	-	3	1	1	1	1	1	1	1	1	1	1	1	3	3	0	0	3	2
19	3	3	3	2	2	1	2	2	2	1	1	3	3	3	3	5	3	2	3	0	0	0	0	0	2
20	2	2	3	3	3	3	2	2	2	1	1	0	1	0	0	1	0	1	1	1	1	1	0	1	1
21	1	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1
22	0	1	0	1	0	0	0	0	1	1	1	2	2	3	4	6	4	3	2	1	1	1	1	1	1
23	1	2	2	2	1	1	1	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	0	0	2	***	4	2	2	3	4	4	3	5	3	4	3	1	1	2
25	1	1	1	1	1	1	1	2	1	1	1	2	1	1	1	2	1	1	2	1	1	1	1	1	2
26	3	3	2	2	2	-	2	3	1	***	***	***	1	2	2	2	3	2	2	1	1	1	1	1	2
27	1	1	1	1	1	1	1	3	3	***	-	1	1	2	2	2	1	3	4	4	2	2	3	7	2
28	5	3	2	3	3	2	1	3	3	4	3	4	3	5	4	0	1	-	1	1	2	1	2	1	2
29	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	5	-	-	3	2	0	0	0	0	1
30	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	0	1	1	0	0	0	0	1	0	0
MEAN	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1.8

PERCENTAGE OF DATA VALID - 94.9

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 3.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
2	0	1	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	2	13	16	9	6	5	3
3	7	6	4	3	3	4	4	2	4	8	10	3	1	2	-	****	2	4	2	1	1	2	1	2	3
4	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	3	2	1	0	0	1	1
5	1	0	1	1	1	1	1	1	0	0	1	1	2	1	1	1	0	1	0	0	1	0	0	1	1
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	1	1	1	1	1	3	3	1
7	6	3	6	3	3	3	2	3	3	2	3	3	3	3	4	3	3	3	2	2	2	2	1	3	3
8	2	2	2	1	2	1	1	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	4	3	2	3	4	4	1	3	2	2	2	2	2	2	2	1	1	1	3	3	2	2	2
10	1	1	0	1	0	0	0	-	****	0	0	0	2	2	2	1	1	2	2	2	1	2	1	1	1
11	1	1	0	0	0	0	0	0	2	4	7	7	5	3	3	3	4	6	3	2	1	1	1	1	2
12	1	1	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	2	1	1	1	1	1	2	2	1	2	2	2	1	1	1	1	0	1	0	1	1
14	1	1	1	1	1	1	1	0	0	0	0	1	1	1	2	1	1	1	1	1	1	0	0	1	1
15	1	0	0	0	1	0	0	0	0	1	1	1	3	3	2	1	1	1	1	2	1	1	1	2	1
16	2	2	2	1	1	2	2	3	2	2	1	4	2	4	****	****	3	2	2	2	1	2	2	1	2
17	1	2	1	2	2	1	2	-	2	1	1	2	2	2	2	4	3	2	1	1	1	3	2	2	2
18	1	1	0	1	1	1	1	1	2	2	3	7	8	7	6	7	5	5	4	4	3	3	2	2	3
19	2	2	2	1	1	1	1	2	2	3	3	3	3	2	2	3	3	3	4	5	3	4	6	4	3
20	2	3	2	3	3	2	-	3	5	8	8	7	8	5	8	3	3	3	3	3	3	2	1	2	4
21	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	1	1	3	1	1
22	3	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
23	0	1	0	0	0	0	1	1	1	3	2	5	11	7	4	3	3	3	2	2	3	3	3	3	3
24	3	3	3	4	3	3	4	5	3	4	5	7	6	5	4	5	5	4	4	5	4	8	6	5	5
25	5	5	4	4	3	3	5	7	6	4	5	5	5	3	3	3	3	3	3	2	2	2	2	1	4
26	1	1	1	0	4	0	1	1	0	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1
27	0	****	****	0	****	1	2	4	0	-	7	7	6	4	4	6	8	6	5	4	3	1	1	1	3
28	1	1	1	2	2	2	2	2	3	4	7	7	6	6	3	4	3	3	3	3	3	3	2	2	3
29	1	1	1	1	1	0	1	2	7	4	3	4	5	3	4	4	4	5	5	4	4	4	4	4	3
30	3	2	2	2	2	2	1	2	1	1	3	3	3	7	3	3	3	2	2	1	1	1	1	1	2
31	1	2	5	6	6	3	5	1	****	1	1	0	1	0	1	1	1	1	1	1	1	1	1	2	2
MEAN	2	2	2	1	2	1	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - JUN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	1	0	0	0	0	0	0	1	2	4	8	8	0	3	2	2	1	4	2	2	1	2
2	1	3	2	0	0	0	0	0	0	0	0	0	1	2	2	1	3	3	2	1	0	1	1	0	1
3	0	0	0	0	0	0	0	1	2	1	0	0	1	1	1	1	0	1	1	0	0	0	1	1	1
4	0	0	0	0	0	1	1	2	3	4	4	4	3	2	2	2	3	3	3	2	2	1	2	1	2
5	1	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1
6	0	0	1	1	0	0	1	1	1	1	7	10	7	***	-	-	1	1	1	1	1	1	1	2	1
7	2	2	1	1	0	0	1	0	1	1	1	1	0	1	2	1	1	1	0	0	0	***	0	0	1
8	***	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1	1	1	2	1	1
9	1	1	1	1	1	2	3	5	3	2	2	2	1	1	0	0	0	0	3	9	6	6	5	3	3
10	3	2	2	2	2	1	1	1	1	3	2	2	3	4	4	6	4	2	2	2	2	2	2	2	2
11	2	2	3	3	2	3	4	4	5	3	4	4	6	6	7	9	6	4	3	5	4	5	4	4	4
12	4	4	4	3	2	3	4	5	4	4	2	-	0	1	1	1	1	1	1	1	1	1	1	0	2
13	1	1	0	0	1	1	1	1	1	0	0	0	0	0	1	1	0	0	1	1	2	1	1	3	1
14	7	5	3	4	3	1	1	0	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2
15	1	1	0	1	1	1	1	1	1	1	1	2	1	1	2	2	3	2	3	2	3	3	2	2	2
16	2	2	2	1	1	2	1	1	3	3	3	3	4	4	1	2	2	2	2	1	1	0	0	1	2
17	0	1	2	2	1	1	1	1	1	2	2	2	2	2	2	3	2	2	2	1	1	2	1	1	2
18	2	3	2	2	2	2	3	3	3	2	1	0	1	1	1	1	1	1	1	1	1	1	1	0	2
19	1	0	0	0	0	0	0	0	1	1	1	2	1	0	0	1	1	1	1	1	1	1	0	1	1
20	1	1	1	1	1	1	1	2	1	1	1	1	2	5	2	3	3	2	1	1	1	1	2	3	2
21	1	1	1	1	1	1	1	2	1	0	0	1	2	2	1	1	0	1	1	0	0	0	0	0	1
22	0	0	0	1	0	0	1	2	1	1	0	0	0	1	0	0	0	0	1	1	1	1	0	0	0
23	1	1	1	1	1	1	1	0	1	0	1	2	3	3	2	2	1	2	4	5	6	5	4	3	2
24	3	3	2	2	3	2	2	3	3	2	2	3	3	2	2	2	2	2	2	2	1	1	1	1	2
25	1	1	2	5	3	2	1	1	4	5	7	9	3	3	3	3	3	2	2	2	1	1	1	1	3
26	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	2	2	1	1	1	0	0	1	
27	0	0	0	1	0	0	0	0	0	1	1	1	1	2	2	2	3	2	2	2	2	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
30	1	1	0	0	0	0	1	1	1	1	***	2	1	2	3	8	4	3	3	3	3	3	3	11	2
MEAN	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	1	2	1.6

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	5	5	3	3	3	3	3	3	3	4	4	4	3	4	3	3	4	3	2	3	3	3	3	4
2	4	2	3	3	3	2	3	3	2	2	2	2	2	3	2	2	2	3	3	3	2	2	2	2	3
3	2	2	3	2	2	2	2	2	2	4	3	2	2	1	1	1	0	0	1	0	0	0	0	0	1
4	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	1
5	2	1	1	1	1	1	***	2	1	0	0	0	1	0	0	0	0	0	1	1	1	1	0	1	1
6	0	1	1	1	1	1	2	2	2	2	3	2	1	1	7	2	3	2	1	1	1	1	1	1	2
7	1	1	1	1	1	1	2	1	1	2	2	3	4	6	7	5	4	3	3	2	2	2	2	3	3
8	2	3	3	3	3	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	2
9	1	1	1	1	1	2	2	3	4	2	3	3	4	5	3	4	3	3	2	2	2	2	2	2	2
10	1	2	2	1	1	1	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	4	1	1	1
11	1	1	1	1	1	1	1	1	1	0	1	1	0	1	1	1	1	1	1	1	2	2	2	2	1
12	1	1	1	1	1	1	1	1	0	0	0	2	3	1	1	0	1	0	1	0	1	1	1	1	1
13	0	0	1	1	1	2	2	0	2	6	7	4	2	2	1	2	2	1	1	1	0	1	0	0	2
14	0	1	1	0	1	1	1	1	1	1	2	1	3	1	1	1	1	0	1	1	1	1	1	0	1
15	0	0	0	0	0	0	1	4	6	2	2	1	1	1	1	1	1	1	1	2	1	1	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	0	0	0
17	0	0	0	0	0	0	1	1	0	0	***	***	3	2	2	2	2	2	2	2	2	1	1	1	1
18	1	1	1	1	1	1	2	3	2	4	9	4	6	***	4	4	4	2	1	1	1	1	1	1	2
19	1	1	2	3	3	3	3	4	5	3	3	3	3	6	17	5	3	3	2	2	2	2	2	2	3
20	2	2	3	8	7	4	3	4	6	8	5	5	4	4	3	3	2	2	2	2	2	2	2	2	4
21	2	2	2	2	2	2	2	3	0	0	1	4	5	4	3	2	0	1	0	1	1	0	0	0	2
22	0	0	1	0	1	1	1	2	2	3	3	3	3	2	2	2	2	3	2	2	2	2	2	3	2
23	3	3	4	3	3	3	3	3	3	2	2	2	2	2	2	3	2	1	1	2	1	2	1	1	2
24	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
25	1	1	2	2	2	2	2	2	2	3	4	0	1	2	1	1	1	2	2	1	1	0	0	0	1
26	1	2	1	1	1	1	1	2	***	2	***	1	1	1	1	1	1	2	2	2	0	0	2	2	1
27	2	3	3	2	3	3	3	2	1	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	***	0	0	0	1	1	0	***	1	1	1	2	4	4	6	15	7	3	2	1	2
29	1	1	2	4	***	2	2	3	4	5	5	4	4	4	3	4	4	4	4	3	3	3	3	2	3
30	3	2	2	2	2	2	2	2	3	2	3	3	3	3	3	4	3	3	3	3	2	2	2	2	3
31	2	2	1	1	1	1	1	1	1	2	1	2	2	1	1	2	3	3	3	2	2	1	2	2	2
MEAN	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1.8

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	2	1	1	1	1	4	5	3	3	3	3	2	3	3	2	2	1	1	1	1	3	2
2	2	2	1	2	2	2	2	2	2	2	1	3	4	3	3	3	3	3	2	1	2	2	1	1	2
3	1	1	1	2	2	2	2	1	2	1	2	1	2	1	1	1	2	1	1	1	0	1	2	1	1
4	1	2	2	2	1	1	1	2	1	1	0	***	0	0	0	0	0	0	1	1	1	0	0	1	1
5	0	1	0	2	2	1	2	4	3	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	2
6	1	1	1	0	1	2	2	1	1	1	3	3	3	3	2	2	2	3	2	2	1	1	1	1	2
7	1	0	1	1	1	1	2	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1	0	0	1
8	0	0	0	0	1	3	1	3	5	5	4	1	2	2	2	2	2	1	3	3	1	2	2	1	2
9	3	4	4	5	4	3	5	5	2	2	3	1	1	1	0	1	0	0	0	0	0	1	1	1	2
10	1	1	0	1	0	0	0	1	0	0	1	0	1	0	0	0	1	0	0	1	0	0	0	1	0
11	0	0	1	0	0	0	1	1	1	1	***	***	2	1	1	2	3	2	1	1	0	0	0	0	1
12	0	0	1	0	0	0	1	1	1	1	1	2	1	1	1	2	2	2	2	1	2	1	1	1	1
13	1	1	1	1	1	1	1	1	3	3	4	3	4	3	3	3	2	2	2	1	2	1	1	1	2
14	1	1	***	1	1	1	2	3	3	2	1	2	2	3	2	2	2	2	2	2	2	2	1	1	2
15	1	1	1	1	1	1	1	1	2	2	3	5	6	7	4	5	5	3	1	1	1	0	2	2	2
16	3	1	3	2	2	1	1	0	0	0	0	0	0	1	0	1	1	2	1	3	3	3	***	***	1
17	1	1	1	1	1	2	1	***	***	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2
18	4	2	1	1	1	1	0	0	1	4	4	4	3	3	5	5	7	9	2	2	2	2	3	2	3
19	2	2	2	1	1	1	1	1	1	2	2	2	3	3	2	1	-	-	-	1	1	1	1	1	2
20	1	1	0	1	0	0	1	1	1	0	0	1	1	1	2	1	2	2	1	1	2	1	3	4	1
21	5	4	3	***	***	***	***	***	1	4	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2
22	1	1	1	1	1	1	1	2	3	2	2	3	3	2	3	4	3	5	4	5	4	3	2	3	3
23	1	2	2	2	1	0	0	1	0	2	4	3	3	5	7	8	4	4	3	2	2	2	1	2	3
24	3	4	3	3	3	2	2	3	1	2	3	4	3	2	2	1	2	1	1	1	2	7	8	2	3
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	2	2	3	2	2	2	2	2	2	1	1	1	1	0	1
28	1	1	0	0	0	0	0	0	0	0	1	0	2	2	2	2	2	1	1	1	1	1	1	1	1
29	1	2	2	2	3	4	4	4	2	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1
30	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	-	-	-	0	0	0	***	0	0	0
31	0	0	0	0	0	1	0	0	0	0	2	3	2	3	3	1	2	2	1	1	1	1	3	3	1
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR		MONTH - SEP 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	1	1	4	5	4	****	2	4	2	1	1	2	1	1	0	0	0	1
2	0	0	0	0	0	1	3	2	5	8	8	5	4	4	2	3	3	3	3	2	2	2	4	4	3
3	4	4	4	5	6	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
5	3	0	0	1	0	1	4	6	2	2	1	2	1	2	1	1	1	1	4	3	2	1	1	1	2
6	1	2	1	1	1	1	1	8	3	6	5	3	3	3	3	3	3	3	4	4	5	5	7	5	3
7	4	6	5	3	4	3	2	3	4	1	2	2	3	2	3	4	4	3	3	3	3	3	2	2	3
8	2	2	1	1	1	0	0	2	4	2	2	2	2	2	****	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	2	6	3	6	6	3	1	1	1	1	1	1	0	0	0	1	1
11	1	****	****	3	3	5	4	4	4	7	8	8	5	3	3	2	3	2	1	1	1	3	2	4	4
12	2	3	2	1	1	0	0	****	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0
13	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	2	1	1	1	0	0	0	0	0	1	1	-	1	0	0	1	1	-	-	-	0	0	1	1
15	0	2	3	1	0	1	2	-	3	0	1	****	1	1	1	4	5	3	4	1	1	0	1	2	2
16	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	3	3	1	1	0	1
17	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	2	1	1	1	0	0	1	0	0	0
18	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	2	2	2	1	2	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	1	2	1	2	1	4	3	1	1	0	1	0	0	0	1
20	0	0	0	0	0	1	0	0	0	1	2	5	2	2	2	2	2	3	3	2	2	1	4	3	2
21	3	5	2	2	3	3	2	4	2	4	3	1	1	1	1	1	0	0	0	0	0	0	0	0	2
22	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0
23	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0
24	0	0	0	0	1	0	1	1	3	4	3	1	2	2	2	2	1	1	1	1	1	1	1	1	1
25	1	1	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	2	2	0	0
26	0	0	0	0	0	0	0	0	0	5	8	7	6	5	6	6	****	3	1	0	0	0	0	0	1
27	2	2	2	3	2	1	1	2	5	9	7	4	3	4	2	1	0	0	0	0	0	0	0	0	2
28	0	0	1	0	0	0	0	0	1	0	0	1	0	0	1	0	0	0	0	0	0	1	1	0	0
29	0	0	0	0	0	0	0	1	1	1	1	1	2	3	1	2	2	2	2	2	1	1	1	1	1
30	1	1	1	1	1	2	1	1	2	6	7	6	4	3	2	1	2	2	2	1	1	1	0	0	2
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 98.2

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	1	1	4	6	5	4	3	4	3	3	1	1	1	0	0	0	2
3	1	1	0	0	1	1	0	1	1	1	1	1	1	2	2	5	2	3	2	2	3	1	2	3	2
4	2	4	4	4	3	3	4	5	****	5	7	3	2	2	2	2	1	1	1	3	4	2	3	1	3
5	1	0	0	0	0	1	0	0	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	2	2	1	2	3	2	1	0	1	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	****	2	1	3	4	5	1	1	1	1	0	1	0	1	1	1
10	2	2	3	3	2	2	1	2	2	4	6	6	6	4	5	3	-	5	1	2	2	2	1	1	3
11	1	1	0	0	0	0	1	2	0	****	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
12	1	1	1	1	4	****	3	5	5	3	3	2	3	2	2	1	1	1	0	0	0	2	4	2	2
13	2	3	1	3	4	3	3	1	2	2	2	2	5	2	1	1	0	0	0	0	0	1	1	0	2
14	0	****	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	3	1	1	1	0	0	1
16	0	0	0	0	0	0	0	1	1	0	1	0	1	0	0	1	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	1	0	1	4	4	5	6	3	5	2	1	0	0	0	0	0	1
18	0	1	2	1	1	1	2	2	3	3	6	4	3	5	3	4	6	5	2	1	1	4	4	5	3
19	4	2	1	1	1	1	1	1	1	4	5	5	2	2	2	1	2	1	0	0	0	1	0	0	2
20	0	0	0	0	0	0	0	1	1	1	2	3	2	3	3	4	2	1	0	0	0	0	0	0	1
21	0	0	0	0	0	1	1	0	1	1	3	4	5	6	5	5	4	4	3	3	4	5	6	6	3
22	5	4	4	3	3	4	4	4	4	7	7	6	5	6	7	9	4	4	5	8	10	4	3	5	
23	2	3	2	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
24	0	2	0	0	1	1	1	2	2	2	4	4	4	4	4	5	5	3	1	1	2	6	7	6	3
25	3	4	5	2	2	3	3	2	1	5	3	3	3	5	3	1	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	1	2	3	2	5	4	2	1	2	7	9	3	6	4	2	4	4	3	4	7	3	5	4	5	4
28	6	5	3	7	5	1	2	1	1	1	1	1	0	0	1	1	1	0	0	1	1	1	2	0	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	****	0	1	****	0	2	2	2	1	3	4	4	3	****	2	2	1	2	1
31	4	2	7	5	7	8	4	2	12	1	3	2	1	1	1	1	0	1	0	0	0	0	0	0	3
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	3	1	4	3	1	1	1	3	2	2	2	1	0	0	0	0	0	0	1
2	4	3	2	2	1	2	3	4	9	11	9	11	7	5	4	3	4	2	2	3	4	4	6	4	5
3	2	2	2	2	2	1	2	2	4	5	4	1	3	3	5	6	3	1	0	0	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	4	4	4	4	3	3	2	1	1	1	1	1	1	1	1
5	1	1	0	0	0	0	0	0	1	3	4	3	4	4	5	4	4	3	2	2	4	5	4	3	2
6	3	4	5	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	4	7	2	1	2	2	2	2	2	2	3	5	4	1	1	2
9	1	1	4	6	2	2	2	2	7	10	5	7	5	4	2	2	2	2	2	1	0	0	0	1	3
10	1	1	2	2	2	****	0	1	1	2	3	0	2	1	3	3	-	-	-	1	1	-	-	2	2
11	1	1	-	-	0	1	-	1	1	3	1	****	****	****	****	****	****	****	2	2	1	1	1	1	****
12	1	1	1	0	0	1	-	1	2	2	1	1	1	2	2	1	1	4	2	3	2	1	1	1	1
13	1	1	1	1	3	-	-	-	1	1	-	-	-	2	2	2	2	2	1	1	-	1	2	2	2
14	2	1	2	2	****	4	5	4	3	2	2	2	1	0	0	0	****	1	1	1	1	1	1	1	2
15	***	1	***	****	1	1	1	1	1	1	***	****	1	1	1	****	1	1	1	1	1	1	1	1	1
16	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	0	1
17	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	1	1	2	1	2	1	2	1	1
18	1	1	1	2	2	2	1	1	1	2	1	1	1	2	2	1	3	6	1	1	1	1	1	2	2
19	3	3	3	3	3	5	5	1	1	1	0	0	0	0	1	0	0	0	1	1	2	1	1	1	2
20	2	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	2	1	1	0	1	1	1	1	1
21	1	1	1	1	2	2	2	2	1	1	1	1	1	1	****	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	3	2	2	2	2	2	2	2
23	2	2	1	2	3	4	4	6	4	3	****	****	1	1	1	1	3	3	2	2	1	0	0	0	2
24	0	0	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0	0	0	****	****	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0
26	0	0	2	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	1	****	****	****	0
27	***	0	***	0	0	0	****	****	****	0	0	0	1	2	2	1	1	3	3	4	***	4	3	2	1
28	2	2	2	3	****	4	3	3	****	4	3	3	3	3	2	2	2	2	1	2	2	2	2	3	****
29	2	***	1	1	2	2	****	1	2	5	7	9	6	3	2	3	4	5	3	3	4	4	4	3	3
30	3	3	3	2	1	1	1	1	2	2	2	1	1	2	1	1	1	1	1	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	1	2	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 91.9

PERCENTAGE OF DATA INVALID - 5.6

PERCENTAGE OF DATA UNAVAILABLE - 2.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - DEC 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	4	3	2	1	1	0	0	2	3	1	2	2	2	5	2	1	2	2	1	1	0	2
2	0	0	0	0	1	0	1	1	1	1	0	1	1	1	0	0	1	1	0	4	2	1	0	0	1
3	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
4	0	1	3	3	2	2	2	2	2	2	2	2	1	1	1	2	1	4	1	1	2	1	1	2	2
5	4	4	8	6	6	6	5	2	4	8	2	1	2	1	1	3	1	1	4	1	1	3	5	8	4
6	6	2	3	3	2	1	1	2	6	1	1	2	2	2	2	1	0	1	0	0	0	0	0	0	2
7	1	1	1	1	2	2	0	0	0	1	0	0	0	0	0	1	1	2	2	1	2	1	1	2	1
8	3	1	1	2	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1	1	1	1
9	1	1	1	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	0	0	0	0	0
10	0	0	1	1	1	1	4	3	3	4	1	1	4	1	1	1	1	1	1	1	3	3	3	2	2
11	4	***	2	2	1	0	0	0	***	***	7	7	7	8	6	4	3	2	2	2	2	5	4	3	3
12	2	2	2	3	1	3	1	5	2	1	2	2	2	2	2	3	1	0	0	1	2	2	1	1	2
13	1	2	2	2	5	5	4	4	4	2	1	1	2	0	0	0	1	0	1	0	0	1	0	0	2
14	1	0	0	0	0	1	1	1	3	3	1	11	2	1	1	0	0	0	0	0	1	2	5	4	2
15	1	2	1	1	1	3	1	2	***	6	3	3	3	4	2	0	2	2	4	4	3	3	1	4	2
16	5	7	4	2	0	0	1	1	1	1	2	2	2	4	2	2	1	1	1	3	2	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	1	1	0	0	2	3	3	4	3	2	3	3	4	2	2	2	2	2	1	1	1	1	1	2
19	1	1	1	1	2	1	1	1	1	2	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1
20	1	1	1	2	1	1	2	2	2	1	1	2	4	4	3	2	2	2	2	3	3	2	2	2	2
21	2	2	2	1	1	1	0	1	0	0	1	1	1	1	2	2	2	1	2	2	3	3	2	2	1
22	3	8	7	4	2	1	1	2	***	3	5	3	4	4	2	2	2	3	2	2	2	2	2	1	3
23	1	2	2	2	3	2	3	1	3	3	5	6	4	5	2	2	3	2	1	1	1	1	1	2	2
24	2	2	3	3	3	3	3	4	4	3	2	2	3	2	2	1	1	1	1	1	1	2	2	1	2
25	1	2	1	1	1	1	1	0	1	1	1	1	1	3	1	2	1	2	3	2	4	4	3	2	2
26	1	4	4	2	2	1	1	1	2	1	2	1	1	1	1	1	1	0	1	1	1	1	1	1	1
27	1	2	3	2	5	5	4	1	1	1	1	0	1	1	1	0	1	1	1	1	1	0	1	1	2
28	0	0	0	0	1	1	1	1	2	2	3	2	1	1	1	***	***	1	1	1	0	0	1	2	4
29	1	1	1	2	2	1	0	0	0	0	1	-	-	-	-	1	1	1	1	0	0	1	1	1	1
30	5	6	4	2	2	1	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	2
31	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
MEAN	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	1.

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	2.7	6	15
FEB	28	2.1	5	11
MAR	31	2.2	4	10
APR	30	1.8	5	12
MAY	31	2.0	5	16
JUN	30	1.6	4	11
JUL	31	1.8	4	17
AUG	31	1.5	3	9
SEP	30	1.3	4	9
OCT	31	1.5	5	12
NOV	29	1.5	5	11
DEC	31	1.7	4	11
YEAR	362	1.8	6	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	569	95	1	0	0	0	0	0	665
FEB	618	40	1	0	0	0	0	0	659
MAR	697	38	0	0	0	0	0	0	735
APR	652	27	4	0	0	0	0	0	683
MAY	686	42	2	1	0	0	0	0	731
JUN	692	20	1	0	0	0	0	0	713
JUL	717	16	1	1	0	0	0	0	735
AUG	715	8	0	0	0	0	0	0	723
SEP	683	24	0	0	0	0	0	0	707
OCT	700	33	1	0	0	0	0	0	734
NOV	644	16	2	0	0	0	0	0	662
DEC	710	19	1	0	0	0	0	0	730
YEAR	8083	378	14	2	0	0	0	0	8477

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.8	0	0.0	0.2	0.9	1.8	3.7	4.9	6.6	7.7	17	1.8

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	1	3	2	2	1	1	1	2	1	1	1	2	1	2	3	3	3	3	1	
3	3	2	2	3	4	6	5	5	4	4	3	2	1	1	0	****	1	1	1	1	2	2	2	2	3	
4	2	2	2	2	2	3	2	3	6	10	9	6	5	4	4	3	4	3	3	3	5	6	6	6	4	
5	7	4	4	4	3	2	3	3	4	5	4	****	2	0	****	****	****	****	****	****	****	****	****	****	****	
6	0	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	
8	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	****	
9	0	0	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	****	
10	0	0	0	0	0	0	****	****	****	****	****	****	0	****	0	1	1	1	1	1	1	1	1	1	1	
11	1	1	2	2	2	2	3	3	3	4	5	4	3	4	3	4	4	4	5	5	4	4	5	6	3	
12	6	7	7	5	5	5	5	4	4	6	6	6	11	12	8	5	4	3	3	3	3	3	3	3	5	
13	3	3	3	2	2	3	3	3	3	4	5	5	6	6	8	10	5	3	4	9	7	5	6	6	5	
14	7	5	3	3	2	3	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	
16	0	0	0	2	4	3	3	2	1	1	1	2	1	2	1	2	2	2	2	1	1	0	0	0	1	
17	0	0	0	0	0	1	0	0	0	1	2	2	2	2	3	5	5	5	3	2	2	2	2	2	2	
18	2	1	1	1	1	1	0	0	1	1	2	1	1	1	1	1	1	0	****	****	****	****	****	****	1	
19																										
20																										
21																										
22																										
23																										
24																										
25																										
26																										
27																										
28																										
29																										
30																										
31	****	****	****	****	****	****	****	****	****	****	****	****	1	1	1	1	1	1	1	1	1	2	2	2	3	*****
MEAN	2	1	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9	

PERCENTAGE OF DATA VALID - 49.5

PERCENTAGE OF DATA INVALID - 37.2

PERCENTAGE OF DATA UNAVAILABLE - 13.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	4	3	3	2	2	1	1	3	4	4	4	3	3	3	2	1	1	1	1	1	1	1	2
2	1	1	1	1	1	0	0	1	1	3	3	3	2	2	2	1	1	1	1	0	0	0	0	0	1
3	0	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	2	2	1	1	1	1	1	1	1
4	1	2	2	2	1	2	1	1	1	1	1	3	3	3	3	3	3	2	2	2	1	1	2	2	2
5	2	2	3	3	4	4	4	4	4	4	5	5	4	3	4	4	3	2	2	3	3	3	2	2	3
6	2	2	2	1	1	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
7	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****
8	3	3	3	2	2	2	1	1	2	4	5	4	3	3	3	5	****	5	2	1	****	****	0	0	3
9	0	0	0	0	0	****	****	0	0	1	****	3	2	1	0	0	0	0	0	0	0	0	0	0	0
10	0	1	1	1	1	1	1	1	3	3	3	2	1	2	2	2	2	2	3	5	6	4	4	3	2
11	2	2	2	2	2	2	2	3	3	5	4	4	4	3	3	3	3	3	3	3	3	3	2	3	3
12	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	2	2	2	2	1	3
13	1	2	1	1	1	1	1	1	1	1	1	1	****	1	1	1	1	1	1	2	2	2	1	1	1
14	1	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	2	3	2	1	1	1
15	0	1	0	0	1	1	1	0	1	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2
16	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2
17	1	1	2	2	3	4	1	1	3	4	5	4	3	3	3	3	3	2	1	1	1	1	1	1	2
18	2	1	1	1	2	4	3	3	3	4	5	4	3	3	2	3	2	1	1	1	1	1	1	1	2
19	0	1	1	1	1	1	0	1	1	2	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	1	4	4	2	2	2	2	3	3	2	2	1	2	2	1	1
21	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
22	2	3	3	3	2	2	2	2	2	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2
23	3	3	3	3	1	0	1	1	2	4	3	4	7	6	4	3	2	1	1	3	4	3	3	3	3
24	2	2	2	1	1	2	4	4	3	5	6	4	3	3	2	0	0	0	1	1	1	1	1	0	2
25	1	2	2	1	2	2	2	2	1	2	2	2	1	2	2	2	1	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****
28																									
MEAN	1	2	2	1	1	2	1	1	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1.7

PERCENTAGE OF DATA VALID - 88.1

PERCENTAGE OF DATA INVALID - 7.4

PERCENTAGE OF DATA UNAVAILABLE - 4.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR																MONTH - MAR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR																MONTH - APR 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 93.8

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 5.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

</

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	2	1	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
22	1	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	2	1	1	1	1	1	2	3	5	3	1	1	0	0	0	0	0	2	1	0	0	1	1	1	0
26	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	3	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0
31	0	1	1	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	1	1	1	1	2	1	1
2	1	2	2	1	1	1	1	1	0	1	1	1	1	2	2	1	2	2	2	1	0	0	1	1	1
3	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	1	2	2	2	3	2	2	1	1	0	0	1	1	0	0	0	0	0	0	0
5	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
9	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	0	0	1	2	2	3	3	3	3	2	2	1	1	1	1	1
12	1	1	1	1	1	1	1	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0
17	0	0	0	1	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
23	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	2	2	1	2	1
24	2	2	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	0	0	1	2	6	10	1	1	1	1	1	0	1	0	0	0	0	0	1
26	0	0	0	0	0	1	0	0	0	0	0	1	1	1	2	2	3	0	1	0	0	0	1	0	1
27	0	0	0	0	0	0	0	1	2	3	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0
29	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	1	1	0	0	1	1	6	1
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0.5

PERCENTAGE OF DATA VALID - 84.7

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 14.9

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12013															FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR										
MONTH - JUL 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	1	1	2	0	0	0	0	1	1	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	1	1	1	2	2	3	2	1	0	0	0	0	0	0	0	1	1
8	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	1	1	2	1	2	3	2	2	2	1	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	1	0	2	4	3	2	1	0	0	1	1	1	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	1	0	0	1	2	0	0	0	1	1	1	0	0	0	0	0	0	0
15	0	0	0	0	1	0	1	2	3	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	0	0	0	1	1	0	0	0	0	0
18	0	0	0	0	0	0	0	0	1	2	3	2	2	1	1	1	1	1	0	0	0	0	0	0	1
19	0	0	0	0	0	1	1	1	2	2	2	2	3	5	1	1	1	0	0	0	0	0	0	0	1
20	0	0	0	1	1	1	0	1	1	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	2	3	4	2	1	1	1	2	2	2	2	1	1	1	1
22	1	1	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	2	2	2	2	2	2	2	2
23	2	2	3	3	2	2	2	2	2	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1
24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0	1
26	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	2	1	1	1	2	2	1
27	2	2	2	1	1	1	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	9	5	2	1	1	1
29	0	0	0	0	0	0	0	0	0	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	0	0	0	0
MEAN	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12013															FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR										
MONTH - AUG 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	2	3	3	1	2	1	1	****	1	1	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	2	1	1	1	1	1	1	1
3	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
8	0	0	0	0	0	0	1	1	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	1	1	1	1	0	1	1	1	1	0	8	4	3	3	2	3	2	1	1	1	1	2	2	1
17	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
18	1	1	1	0	0	0	0	0	2	2	2	1	1	1	2	2	2	3	1	1	1	1	2	2	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 65.6

PERCENTAGE OF DATA INVALID - 9.0

PERCENTAGE OF DATA UNAVAILABLE - 25.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* IND

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH - SEP 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	1	1	1	1	1	2	1	1	1	3	3	3	2	1	2	1	1	1	1	1	2	2	2	2	3
7	3	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	2	2	2	1	1
9	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	2	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	2	0	0	0	0	0	0	0	1
12	1	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	1	1	0	0	0	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0	0	1	1	0	0	1	0	0	1
MEAN	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 57.6

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 39.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013

FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH - OCT 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	0	1	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	2	3	4	2	2	3	1	1	1	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0	0	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	1	2	2	2	1	2	1	1	1	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
22	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	3	2	1	1	2	2	4	1
25	3	3	3	3	2	2	2	2	3	4	3	2	3	2	2	1	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0
30	1	1	1	1	0	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2	2	2	2	2	2
31	2	2	2	2	1	0	0	1	3	3	3	3	3	2	2	2	2	2	2	2	2	2	1	2	2
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - SW NO 12013															FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR										MONTH - NOV 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	1	0	1	2	2	1	1	1	1	1	2	2	3	3	2	2	1	1	1	1	2	2	2	2	2									
2	3	3	2	2	2	2	2	2	1	2	2	3	3	3	2	1	1	1	1	2	1	1	1	0	2									
3	1	1	1	1	1	1	1	1	2	3	3	2	3	3	3	3	2	2	1	1	1	1	1	1	2									
4	1	1	1	1	1	1	1	1	1	2	3	3	2	2	2	1	1	1	1	2	2	2	2	2	2									
5	2	2	1	1	1	1	1	1	1	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2									
6	2	3	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1									
7	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1									
8	1	1	1	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	1	2	3	2	0									
9	0	0	0	0	0	0	0	0	1	1	3	3	3	1	1	1	1	1	1	1	0	0	0	0	1									
10	0	0	1	0	0	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0									
11	0	0	0	0	1	1	1	1	0	1	1	1	3	3	3	2	1	1	1	1	0	0	0	0	1									
12	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0									
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	0									
14	1	0	0	0	1	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0									
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
16	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0									
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0									
18	1	1	1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	0	0	0	0	0	0	0									
19	0	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1									
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
22	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0									
23	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	0	1									
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0									
25	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0									
26	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
28	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1									
29	1	0	0	0	0	0	0	0	1	1	3	4	2	1	1	1	1	1	2	2	1	1	2	1	1									
30	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0									
MEAN	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0.7									

PERCENTAGE OF DATA VALID - 98.8 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 12013											FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR											MONTH - DEC 78				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	2	2	2	2	1	1	1	0	1	1	1	1	1	***	1	3	1	1	1	1	1	0	0		
2	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	1	0	0	0	1	1	0	0	0		
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0		
4	0	0	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	1	1	1	1	1		
5	0	1	1	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1		
6	2	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	1	1	1	2	1	1	1		
7	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1		
8	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1		
9	0	0	0	1	0	0	0	0	0	0	1	1	1	1	0	1	1	0	1	1	1	0	0	0		
10	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	2	2	1	2		
11	3	3	2	1	1	1	1	2	2	3	3	***	4	4	5	3	2	1	1	1	1	1	2	1		
12	1	1	1	1	1	0	1	0	1	1	1	2	2	2	2	1	1	1	1	1	1	2	1	1		
13	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1		
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	0		
15	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	2	2	2	1		
16	1	1	2	1	1	1	1	1	1	1	2	2	3	3	2	2	1	1	1	2	1	1	1	1		
17	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0		
18	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1		
19	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
20	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	***	1	1	1	1	1	1	1	1		
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2		
22	2	2	1	1	1	1	1	1	1	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1		
23	0	1	1	1	1	1	1	1	1	1	2	5	3	3	1	1	1	1	1	1	1	1	1	1		
24	1	1	1	1	2	2	2	2	2	2	2	2	3	1	1	2	2	1	1	1	1	1	1	2		
25	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1		
26	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1		
27	0	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1		
28	1	1	1	1	1	1	1	1	1	3	3	1	1	0	0	0	0	0	0	0	0	0	0	1		
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.8		

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 1.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	14	1.9	5	12
FEB	24	1.7	3	7
MAR	30	0.2	1	4
APR	28	0.0	0	2
MAY	31	0.1	1	5
JUN	25	0.5	1	10
JUL	31	0.5	2	9
AUG	20	0.5	1	8
SEP	16	0.5	2	3
OCT	31	0.4	2	4
NOV	30	0.7	2	4
DEC	31	0.8	2	5
YEAR	311	0.6	5	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12013 FILTRAT PLT 3665 WYANDOTTE ST E WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	339	27	2	0	0	0	0	0	368
FEB	588	4	0	0	0	0	0	0	592
MAR	726	0	0	0	0	0	0	0	726
APR	675	0	0	0	0	0	0	0	675
MAY	732	0	0	0	0	0	0	0	732
JUN	607	3	0	0	0	0	0	0	610
JUL	741	1	0	0	0	0	0	0	742
AUG	487	1	0	0	0	0	0	0	488
SEP	415	0	0	0	0	0	0	0	415
OCT	735	0	0	0	0	0	0	0	735
NOV	711	0	0	0	0	0	0	0	711
DEC	736	0	0	0	0	0	0	0	736
YEAR	7492	36	2	0	0	0	0	0	7530

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.0	0	0.0	0.0	0.0	0.3	1.4	2.2	3.1	4.1	12	0.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12015														MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	3	3	3	3	3	4	2	2	3	2	1	1	1	1	1	1
4	2	1	1	2	2	1	2	4	9	7	4	4	3	3	3	***	2	2	2	2	2	2	1	1	3
5	2	2	1	1	2	1	1	1	2	3	3	2	3	3	2	2	2	2	2	3	3	2	1	2	2
6	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1
7	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	3	3	2	2	2	2	2	2
8	2	2	2	2	2	2	2	2	2	3	1	1	0	1	1	***	***	***	***	***	***	***	***	***	***
9															- DATA INVALID -										
10															- DATA INVALID -										
11	***	***	***	***	***	***	***	***	***	***	***	***	1	1	1	1	0	0	0	0	0	0	0	0	***
12	0	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	6	4	4	3	2	2	2	3	2
14	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0
15	1	0	1	0	0	2	2	2	2	3	4	4	4	3	3	3	3	3	3	4	3	0	0	1	2
16	2	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1
17	0	0	0	0	1	1	1	1	1	1	1	2	2	2	1	3	3	3	2	2	2	1	1	1	1
18	1	1	1	1	0	0	0	0	0	0	0	1	0	1	2	2	2	1	1	1	0	1	1	0	1
19	0	0	0	0	1	1	0	0	0	0	2	2	8	3	1	1	2	4	6	2	1	1	3	2	2
20	3	3	2	1	1	1	1	1	1	***	1	1	1	1	1	1	0	0	0	0	2	2	1	1	1
21	1	0	0	0	1	1	1	2	1	1	1	2	5	6	4	2	2	1	6	3	3	2	1	1	2
22	1	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	1	1	1	2	2	1	2	1	1
23	1	2	1	0	0	1	3	4	5	5	5	***	3	3	4	6	6	4	5	7	5	5	4	4	4
24	4	5	3	4	4	2	1	1	1	3	4	5	6	***	3	2	1	1	1	1	0	0	0	0	2
25	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
26	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
27															- DATA INVALID -										
28															- DATA INVALID -										
29															- DATA INVALID -										
30															- DATA INVALID -										
31															- DATA INVALID -										
MEAN	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	1	1	1	1.4

PERCENTAGE OF DATA VALID - 71.1 PERCENTAGE OF DATA INVALID - 28.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - SW NO 12015															MONTH - FEB 78																			
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	- DATA INVALID -																																	
2	***	***	***	***	***	***	***	***	***	***	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0									
3	1	1	1	1	1	1	0	2	4	***	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0									
4	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0									
5	1	2	2	2	2	3	4	4	3	3	4	4	5	4	3	3	2	2	2	3	4	3	3	3	3									
6	2	1	1	1	1	2	3	2	4	2	2	***	3	2	1	1	2	1	1	2	2	1	2	3	2									
7	2	1	2	2	1	2	3	4	3	5	4	5	4	3	3	2	1	1	0	0	0	0	0	1	2									
8	0	0	0	0	0	0	0	0	0	1	1	***	1	1	1	1	2	2	1	1	0	0	0	0	1									
9	0	0	0	0	0	0	0	0	1	1	***	2	2	1	1	1	1	1	1	0	0	0	0	0	0									
10	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0									
11	0	0	0	0	0	0	0	0	1	1	2	2	2	0	1	1	1	1	1	1	0	1	1	1	1									
12	1	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
14	0	0	0	0	0	0	0	0	1	1	***	1	2	2	1	1	0	0	0	0	1	0	0	0	0									
15	0	0	0	0	0	0	0	0	0	1	2	2	3	3	3	2	2	0	0	1	1	1	1	1	1									
16	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	1	1	1	1									
17	2	5	1	0	1	1	0	0	0	1	2	1	3	4	2	3	1	1	2	2	2	1	1	2	2									
18	1	0	0	1	3	3	3	6	4	4	5	4	4	4	4	3	2	1	0	0	0	0	0	0	2									
19	0	0	0	0	1	1	2	1	4	4	2	3	2	1	1	2	2	1	0	0	0	0	0	0	1									
20	0	0	0	0	0	0	0	0	0	0	1	2	***	2	3	3	1	1	0	0	0	0	0	0	0									
21	1	1	2	1	1	0	1	1	1	1	2	2	2	2	2	2	1	1	0	0	1	0	1	2	1									
22	2	3	3	1	1	0	0	0	1	2	3	2	2	2	2	2	2	1	2	0	0	0	0	0	1									
23	0	0	0	0	0	0	0	0	0	1	2	***	4	3	2	1	0	0	1	0	0	0	0	0	1									
24	3	2	3	2	1	0	0	0	2	1	3	2	2	1	1	0	0	0	0	0	0	0	0	0	1									
25	0	1	1	1	1	0	0	0	0	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0									
26	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0									
27	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	***	2	2	2	1	1	1	1	1	1									
28	1	1	1	1	1	1	1	1	1	2	2	4	8	7	5	4	4	2	2	2	2	2	2	3	3									
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	0	1	1	1.0									
PERCENTAGE OF DATA VALID - 93.8															PERCENTAGE OF DATA INVALID - 4.2										PERCENTAGE OF DATA UNAVAILABLE - 2.1									

PERCENTAGE OF DATA VALID - 93.8 PERCENTAGE OF DATA INVALID - 4.2 PERCENTAGE OF DATA UNAVAILABLE - 2.1

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.01 PARTS/MILLION

PERCENTAGE OF DATA UNAVAILABLE - 0.0

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12015															SEWAGE PLT HWY 18/PROSPECT WINDSOR										
MONTH - MAY 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	1	1	1	0	0	1	1	1	1	2	1	1	2	2	2	2	2	1	1	0	0	0	0	1
2	0	0	0	0	0	1	2	3	2	2	1	1	2	2	1	2	2	2	1	3	4	6	4	3	2
3	2	0	0	0	0	0	0	0	2	5	6	8	5	1	1	1	1	2	2	1	1	1	1	1	2
4	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
9	0	1	0	0	0	0	0	0	1	1	****	1	1	2	2	2	2	3	2	2	2	1	1	2	1
10	2	2	2	2	1	2	2	3	2	2	2	2	3	2	2	2	2	3	3	2	1	1	1	1	2
11	1	1	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	****	0	1	1	1	1	1	1	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	2	1	1	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	1	1	1	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	0	****	1	1	1	2	2	2	2	1	1	1	1	0	1	1
19	0	0	0	0	0	0	0	1	1	1	1	3	3	3	3	4	3	2	2	1	1	1	2	3	1
20	3	1	1	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	1	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	1	1	1	2	4	3	3	****	1	1	0	1	0	0	0	0	1	1
24	1	1	0	1	0	1	1	1	1	2	3	4	4	3	3	3	3	3	2	2	2	1	1	1	2
25	1	0	0	0	0	0	1	2	4	4	4	5	4	4	4	4	4	3	3	3	2	2	1	1	2
26	1	1	0	0	0	0	0	0	0	3	5	4	5	5	5	5	5	5	4	3	3	3	3	2	3
27	1	1	1	1	1	1	1	1	1	2	5	6	6	7	4	5	6	6	7	4	3	2	2	1	3
28	1	0	0	0	0	0	0	1	1	3	5	6	4	5	4	3	3	2	2	2	1	1	1	1	2
29	0	0	0	0	0	0	0	0	0	1	1	1	1	****	****	1	2	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	1	****	2	2	2	2	2	2	2	2	2	1	0	0	0	1
MEAN	1	0	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.9 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12015															SEWAGE PLT HWY 18/PROSPECT WINDSOR										
MONTH - JUN 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	****	****	****	****	****	****	****	****	****	****	****
2	****	****	****	****	****	****	****	****	****	0	0	1	1	****	3	2	2	2	2	1	0	0	0	0	****
3	1	0	0	0	0	0	0	0	0	2	2	2	3	2	2	2	3	3	2	2	2	2	1	1	1
4	1	1	1	1	1	1	0	2	4	3	3	3	3	3	3	3	4	4	2	2	2	2	2	1	2
5	1	2	1	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	1	****	-	-	1
6																									
7																									
8																									
9	-	-	-	-	-	-	-	-	-	-	2	2	2	3	3	3	3	3	3	2	1	1	1	1	****
10	1	1	0	0	0	0	0	0	0	1	2	2	2	3	4	3	3	2	2	1	1	1	1	1	1
11	1	1	1	1	1	0	1	2	2	2	2	2	3	3	3	4	3	2	2	****	****	****	****	****	2
12	****	0	0	0	0	0	0	0	0	1	2	1	1	1	0	0	0	1	1	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	3	1	1	1	1	1	0	1
16	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	0	****	****	****	****	****	****	0
17	0	****	****	****	****	****	****	****	****	1	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0
18	1	1	0	0	1	0	1	1	1	2	2	1	1	1	2	2	2	1	2	1	1	1	1	1	1
19	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	****	1	1	4	7	8	5	3	2	1	1	1	1	1	2
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	2	2	2	1	0	0	0	0	1
22	0	0	0	0	0	0	0	1	2	3	2	1	2	1	1	1	1	2	1	1	0	0	0	0	1
23	1	0	0	0	0	****	****	****	****	****	****	1	****	3	2	2	2	1	1	1	1	2	1	1	1
24	0	0	0	0	0	0	1	1	2	2	3	6	4	3	3	4	3	2	1	1	0	0	0	0	2
25	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0	1	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	3	2	1	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	2	1	0	0	0	0	0	0
29	0	0	0	0	0	0	****	****	****	1	1	1	2	2	2	2	3	2	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	****	1	3	2	2	1	0	0	0	0	0	0	8
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	1	1	1	1	0	1	0.9

PERCENTAGE OF DATA VALID - 81.9 PERCENTAGE OF DATA INVALID - 6.4 PERCENTAGE OF DATA UNAVAILABLE - 11.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12015														SEWAGE PLT HWY 16/PROSPECT WINDSOR											
MONTH - SEP 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	3	4	4	3	4	3	3	3	4	4	3	3	3	2
6	3	3	3	2	2	2	2	2	5	4	5	4	6	5	5	5	5	5	4	4	4	4	4	4	4
7	5	3	3	3	4	5	6	7	8	6	5	4	4	4	4	3	4	4	4	3	3	3	3	2	4
8	2	2	1	1	1	1	1	1	2	4	5	4	4	4	3	4	4	4	4	3	3	3	3	2	3
9	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	0	0	0	0	1	2	4	3	3	2	3	3	3	2	2	3	2	2	2	2	2
11	2	2	2	2	2	1	1	2	2	2	2	3	6	4	3	2	3	3	2	2	2	2	2	2	2
12	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	2	1	1	1	1	1	0	0	0	0	0	1	2	2	2	1	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
22	0	0	0	0	0	0	0	2	1	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	3	3	3	3	4	3	3	2	2
25	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	2	2	4	3	3	3	3	3	2	1	1	1	1	1	1	1
27	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	1	0	1	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12015															SEWAGE PLT HWY 18/PROSPECT WINDSOR										
MONTH - OCT 78																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	***	1	2	2	1	1	1	1	1	1	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
9	0	0	0	0	0	0	0	0	0	0	1	1	2	3	2	2	2	1	1	1	1	1	1	1	1
10	0	0	0	0	0	0	0	0	1	1	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
11	***	***	***	***	***	***	***	***	0	0	2	2	2	2	2	1	***	0	0	0	0	0	0	0	***
12	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	2	2	1	0	0	0	0	0	0	1
13	2	0	0	0	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	2	3	4	4	3	3	1	1	0	0	0	0	0	1
18	0	0	0	0	0	0	0	0	0	1	3	4	4	3	2	2	2	1	0	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	0	0	2	3	2	2	4	3	6	4	5	4	5	4	6	2	1
20	0	0	0	0	1	0	0	0	1	2	5	2	2	3	5	3	3	2	1	1	1	1	0	0	1
21	0	0	0	0	0	0	0	0	0	1	1	2	2	3	3	2	2	2	2	2	2	1	1	2	1
22	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	2	1	2	2	2	4	4	2
23	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	1	2	3	2	3	3	1	1	1	0	0	0	0	1
25	0	0	0	0	0	0	0	0	0	2	1	2	2	2	0	***	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0
27	3	1	0	0	0	0	0	0	0	1	1	1	1	2	3	1	2	1	1	1	1	1	1	1	1
28	1	3	1	0	1	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	2	1	0	0	0	0	0	0	1
31	0	1	1	1	1	0	0	0	2	5	4	3	2	2	2	2	1	1	1	1	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	0.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12015														MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	2	3	5	3	2	2	1	1	0	0	0	0	1	1
2	0	0	0	0	0	0	0	0	0	1	3	4	3	3	3	2	2	2	10	7	9	4	2	1	2
3	0	0	0	0	0	0	0	0	0	0	0	2	4	5	5	5	3	1	1	0	0	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	1	1	0	1	1
5	0	0	0	0	0	0	0	0	0	0	1	2	2	2	3	3	3	2	2	1	2	2	1	1	1
6	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	1	2	3	2	2	1
9	2	1	1	1	1	1	1	1	3	3	5	3	3	3	3	3	2	2	1	1	1	0	1	2	2
10	1	2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	2	3	3	2	3	2	2	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	2	1	1	0	0	0	0	1	1	1	1	2	1	1	1	1
17	1	0	0	0	1	1	0	0	1	0	0	0	1	0	0	0	1	1	2	1	2	2	2	4	1
18	4	4	4	5	3	2	2	3	1	2	1	2	1	1	1	2	1	1	0	1	0	1	0	0	2
19	1	1	2	2	2	2	2	3	1	1	0	0	1	1	2	1	0	0	0	0	0	0	1	1	1
20	1	1	1	2	1	1	0	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	0
21	0	1	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	0
22	0	1	0	0	1	1	1	1	1	1	1	1	1	2	3	3	3	2	1	1	1	1	1	1	1
23	0	0	1	1	1	2	2	3	2	1	2	1	2	4	5	5	2	1	2	6	4	5	3	3	2
24	4	5	4	3	3	3	3	3	3	3	2	2	4	5	3	4	5	3	4	4	4	5	3	3	4
25	3	3	2	2	3	3	5	5	3	4	1	2	2	3	3	3	2	1	1	1	1	1	1	0	2
26	0	0	1	3	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	4	4	4	9	7	2	
28	4	1	1	1	1	1	1	1	1	2	2	2	4	1	2	2	3	3	2	1	2	2	2	2	2
29	1	1	0	0	0	0	0	1	1	4	6	7	4	2	1	2	3	3	2	2	2	2	2	2	2
30	3	3	4	7	6	4	4	3	1	3	2	2	2	3	2	3	1	1	1	1	1	1	1	4	3
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12015														MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	3	2	2	2	1	1	0	1	2	1	****	2	2	3	4	3	2	2	1	1	2	1	2
2	0	0	0	1	1	1	1	1	0	1	1	1	1	0	0	0	0	1	1	2	2	1	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	4	1	1	2	2	4	2	2	1	3	2	2	3	2	0	0	0	0	0	0	1	1	1	1	2
5	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	2	1
6	2	0	0	2	2	2	0	0	0	0	3	2	***	4	3	4	3	3	1	1	1	1	1	1	2
7	1	1	1	1	2	3	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
8	2	4	2	2	1	1	2	2	1	2	1	2	1	1	1	1	1	1	1	0	1	1	1	1	1
9	0	1	1	1	1	1	1	1	1	1	3	4	3	3	3	3	4	5	4	2	3	2	1	2	2
10	4	3	3	4	4	3	2	1	1	3	4	3	2	2	3	1	1	1	1	1	1	1	1	1	2
11	1	1	1	1	2	2	2	4	8	7	7	7	8	7	5	4	2	2	2	1	2	2	2	4	4
12	6	7	5	2	2	2	2	1	2	1	2	2	2	2	2	3	1	1	1	1	3	2	2	1	2
13	1	2	2	2	1	1	2	3	2	7	4	5	3	4	***	3	7	7	7	6	4	3	3	2	4
14	3	3	3	4	4	5	3	0	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1
15	2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1
16	0	0	1	0	0	0	0	0	0	0	1	2	3	3	3	4	4	2	6	9	7	3	3	5	3
17	4	2	1	1	2	2	4	3	2	1	3	2	3	3	2	2	2	2	1	1	1	0	0	0	3
18	3	3	8	7	9	4	4	3	3	3	3	5	5	3	2	2	2	2	1	1	1	0	0	0	3
19	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	1	2	1	1	1	2	1	1	2	2	1	1	0	0	0	0	1	2	5	6	5	6	2
21	7	7	6	8	6	8	5	5	4	5	4	5	6	3	2	1	2	1	1	2	2	3	2	2	4
22	3	2	2	1	1	1	2	2	2	2	2	2	1	3	3	4	4	2	2	2	2	1	4	4	2
23	1	1	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	0	0	0	0	0	0	0	1
24	0	1	1	1	3	2	2	2	2	1	1	2	2	1	1	1	1	0	0	0	0	0	0	1	1
25	2	3	4	3	3	2	2	3	4	4	4	4	5	4	6	3	3	2	4	3	1	1	1	2	3
26	5	6	4	2	2	1	1	1	1	1	1	2	4	3	3	3	4	3	4	4	6	5	4	3	3
27	3	4	5	2	2	2	6	3	4	5	4	3	4	4	3	2	2	3	4	5	5	4	2	1	3
28	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	0	1
29	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	0
30	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1.7

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12015 SEWAGE PLT HWY 18/PROSPECT WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	21	1.4	4	9
FEB	26	1.0	3	8
MAR	31	0.6	2	8
APR	30	0.7	2	8
MAY	31	1.0	3	8
JUN	24	0.9	2	8
JUL	26	0.6	1	6
AUG	29	0.9	2	8
SEP	30	0.9	4	8
OCT	29	0.6	2	6
NOV	30	1.3	4	10
DEC	31	1.7	4	9
YEAR	338	1.0	4	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12015 SEWAGE PLT HWY 18/PROSPECT WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	517	12	0	0	0	0	0	0	529
FEB	627	3	0	0	0	0	0	0	630
MAR	732	1	0	0	0	0	0	0	733
APR	710	2	0	0	0	0	0	0	712
MAY	727	10	0	0	0	0	0	0	737
JUN	586	4	0	0	0	0	0	0	590
JUL	659	1	0	0	0	0	0	0	660
AUG	696	2	0	0	0	0	0	0	698
SEP	711	6	0	0	0	0	0	0	717
OCT	717	2	0	0	0	0	0	0	719
NOV	704	10	0	0	0	0	0	0	714
DEC	706	34	0	0	0	0	0	0	740
YEAR	8092	87	0	0	0	0	0	0	8179

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.4	0	0.0	0.0	0.2	0.8	2.1	3.0	4.2	5.1	10	1.0



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - JAN 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	1	0	0	1	2	2	1	3	2	
2	2	2	2	2	3	5	5	3	3	3	3	3	4	5	4	5	3	3	5	6	3	2	2	2	3
3	3	2	3	4	6	4	3	3	3	4	3	2	2	1	1	2	0	3	1	0	0	1	2	1	2
4	1	1	0	1	3	0	2	3	6	7	4	3	***	4	3	2	4	1	1	2	2	2	1	1	2
5	1	2	1	1	2	2	1	1	2	3	2	2	3	3	2	2	1	1	2	2	2	-	-	1	2
6	0	1	1	1	2	2	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	0	1	1
7	0	0	1	1	1	1	1	1	0	0	1	0	1	1	1	1	2	3	3	1	1	1	2	1	1
8	1	1	1	1	1	1	1	1	3	2	2	3	3	2	0	0	0	0	0	0	0	0	1	2	1
9	3	2	1	1	2	3	3	4	1	0	0	1	0	0	1	2	3	4	4	1	2	2	0	1	2
10	1	1	1	1	2	5	5	3	3	3	0	0	1	0	0	0	0	2	1	0	1	0	6	2	2
11	3	4	7	5	1	2	2	2	2	2	3	3	5	4	4	4	5	4	6	6	6	5	5	7	4
12	6	6	14	10	4	6	2	4	3	3	3	4	5	4	-	2	3	2	2	2	3	3	2	4	4
13	2	2	2	2	2	3	3	3	3	3	4	4	4	6	9	10	8	5	5	5	4	3	4	5	4
14	4	2	2	3	2	2	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1	2	1	2	1
15	4	3	3	2	2	3	2	2	2	1	3	2	1	1	1	2	3	3	3	4	4	3	5	5	3
16	4	3	3	5	7	6	3	3	1	2	1	2	1	2	3	3	3	3	3	3	2	1	1	2	3
17	2	1	2	2	2	2	3	4	3	3	3	4	4	2	3	4	5	5	3	3	3	2	2	2	1
18	2	2	2	1	1	2	1	1	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	2	3
19	1	1	2	2	2	2	1	1	1	1	4	3	9	3	2	2	4	7	8	3	4	4	5	4	3
20	4	5	3	3	3	3	3	3	3	4	3	2	2	1	0	0	0	1	0	0	3	3	1	0	2
21	1	0	0	1	2	1	1	1	1	1	1	2	2	4	7	3	1	1	3	2	2	7	5	4	2
22	1	4	4	1	1	1	1	1	2	2	1	2	1	2	1	1	1	1	2	4	3	2	2	2	2
23	2	2	2	1	1	2	5	6	6	7	6	4	2	3	4	8	9	6	6	9	9	8	8	7	5
24	6	7	6	6	7	3	2	2	2	5	***	***	4	4	5	3	3	2	1	2	1	1	2	3	4
25	4	3	2	2	1	1	1	1	1	1	0	1	2	1	1	3	4	4	3	3	***	2	3	3	2
26	2	0	0	1	0	0	0	1	2	1	***	***	-	1	1	1	2	-	-	2	2	1	3	***	1
27	2	3	2	2	3	4	1	1	4	6	4	4	4	3	2	0	2	1	2	2	2	1	1	1	2
28	3	2	4	2	2	3	1	1	2	3	3	2	1	1	0	0	0	2	1	0	1	2	1	0	2
29	1	1	1	0	0	2	3	0	0	0	0	0	0	0	1	0	0	1	1	1	3	0	0	1	1
30	1	0	1	1	0	0	1	1	0	0	0	0	1	3	5	5	1	2	2	3	3	2	2	1	2
31	2	9	8	2	2	3	3	3	3	7	9	5	1	3	2	1	2	3	4	6	6	3	2	2	4
MEAN	2	2	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	2	3	2	2	2	2.3

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - FEB 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	4	4	2	1	1	0	1	1	2	1	1	1	4	4	2	0	0	0	0	0	0	1	2
2	0	0	1	1	1	1	3	2	2	2	2	3	2	2	1	1	1	1	0	1	0	0	0	0	1
3	0	1	1	1	1	0	0	2	4	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	0	1	2	1	1	1	1	1	1
5	2	3	3	3	3	3	5	4	2	3	4	5	3	4	2	3	3	2	3	4	4	3	2	3	3
6	3	2	1	1	2	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
7	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
8	1	2	1	2	3	1	2	2	2	2	3	3	3	2	2	5	7	4	1	0	0	0	0	0	2
9	0	0	0	1	1	1	2	2	3	3	6	3	3	2	1	1	2	1	1	0	1	1	1	2	2
10	1	1	1	1	2	1	1	1	2	3	2	1	1	1	2	4	3	1	2	1	2	9	9	6	2
11	4	2	2	3	3	4	3	2	7	3	2	5	4	2	1	1	1	2	3	7	7	2	4	4	3
12	1	1	2	2	7	7	6	3	2	2	1	2	2	1	1	1	1	0	0	0	0	0	0	0	2
13	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0	0	4	4	3	1	0	0	0	0	1
14	1	2	1	0	1	2	2	1	1	1	1	1	1	1	1	1	0	1	1	2	1	1	1	1	1
15	0	0	0	1	1	1	1	1	1	2	2	2	3	4	3	4	3	2	2	2	2	2	2	2	2
16	2	3	3	2	1	1	2	3	1	3	2	2	0	1	1	1	2	2	3	3	2	2	4	6	2
17	7	6	8	4	3	3	3	2	2	2	2	9	6	5	4	4	4	5	3	4	2	3	8	4	4
18	2	3	***	6	9	***	7	6	8	8	8	7	6	3	3	4	3	2	1	1	1	0	0	1	4
19	1	1	2	2	1	3	2	1	3	2	2	3	1	1	2	2	1	1	1	1	1	1	1	1	2
20	1	1	1	1	1	0	0	0	1	0	1	2	5	3	3	5	3	***	2	2	1	1	***	1	2
21	2	4	15	5	3	2	3	2	2	1	3	1	1	1	2	2	1	1	1	1	1	1	2	3	3
22	3	4	3	2	3	1	1	2	4	4	2	2	1	1	1	1	1	2	2	0	1	1	2	2	2
23	3	3	2	3	1	1	1	0	0	1	2	3	9	2	4	3	3	3	4	5	9	9	8	4	4
24	4	3	***	4	7	7	2	2	1	5	6	3	2	5	3	1	1	1	2	1	1	***	2	3	3
25	5	5	4	4	4	4	2	4	4	2	2	2	3	3	3	3	2	2	1	2	1	1	0	0	3
26	0	1	1	1	1	0	0	0	0	0	1	0	0	0	1	0	0	1	1	1	1	2	2	1	1
27	1	2	1	2	2	1	1	1	1	1	2	2	2	2	1	1	2	1	1	1	1	1	1	0	1
28	0	1	1	1	1	0	0	0	0	0	0	2	7	5	4	6	3	2	1	1	1	2	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	1	1	1	0	0	***	1	0	1	1	2	1	3	1	1	1	0	1	2	1	1	1
2	0	0	1	1	1	0	1	0	0	0	0	0	0	1	2	1	4	2	2	2	1	1	1	2	1
3	1	2	1	1	3	2	2	1	2	2	9	4	2	0	1	1	2	2	3	2	2	1	1	1	2
4	0	1	1	1	1	0	0	1	0	0	0	1	0	0	0	0	0	0	1	2	3	1	0	0	1
5	1	6	6	8	3	1	1	1	1	2	2	5	5	3	2	2	3	3	3	2	1	3	5	4	1
6	2	2	2	2	1	1	1	1	2	2	2	2	1	1	1	2	3	2	1	1	2	2	2	1	2
7	1	2	1	1	1	1	1	1	1	2	1	2	2	2	4	4	2	2	1	1	1	1	2	1	2
8	2	3	2	1	1	1	1	1	1	0	2	1	2	3	3	5	3	2	4	2	1	2	3	6	2
9	5	4	2	2	1	1	2	2	4	4	3	2	1	2	2	2	1	1	2	2	2	2	2	4	2
10	4	4	4	3	3	2	2	2	2	2	3	3	4	4	4	3	3	3	2	2	3	2	2	2	3
11	2	2	3	2	3	3	2	2	2	1	2	2	2	1	2	1	1	1	0	0	0	0	0	0	1
12	0	1	0	1	1	1	1	1	2	2	2	1	1	1	1	1	3	3	2	2	1	1	2	1	1
13	1	1	1	1	1	0	2	1	1	1	3	5	5	5	3	***	7	3	5	3	2	2	1	1	2
14	1	2	2	2	2	1	2	1	2	2	2	3	2	1	1	1	2	2	1	1	1	1	1	0	2
15	1	1	1	0	0	1	0	0	0	1	2	2	3	2	1	2	2	2	1	1	2	1	1	1	1
16	1	2	2	2	1	1	3	0	1	1	1	1	1	1	1	1	2	2	1	2	1	1	2	1	1
17	0	1	1	2	3	4	4	4	4	1	2	1	1	2	2	2	2	2	2	1	3	7	5	2	3
18	0	0	1	0	1	0	0	0	0	2	2	2	2	2	2	2	1	1	1	1	0	1	0	0	1
19	1	0	0	1	0	1	1	2	2	2	1	2	3	5	3	4	3	2	2	3	2	2	4	3	2
20	5	2	2	2	1	1	1	0	2	6	4	3	2	1	4	2	0	1	0	0	0	1	1	0	2
21	0	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	1
22	0	0	0	1	0	0	0	0	0	1	2	4	0	0	0	0	2	2	4	4	2	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	0	1	3	2	1	1	1	1	1
25	0	1	1	2	1	1	1	1	0	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0
26	0	1	1	2	1	1	1	1	1	1	0	0	0	0	0	4	4	4	4	1	1	2	4	2	3
27	3	3	3	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1
28	1	1	1	1	0	1	1	1	3	3	2	2	2	3	11	6	3	1	1	1	1	1	1	0	2
29	0	0	1	1	1	1	0	0	0	0	1	1	1	-	-	1	1	1	0	0	-	2	1	1	1
30	1	2	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	1.5

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	3	5	8	7	4	3	4	3	1	3	3	2	1	1	1	1	1	0	0	0	0	2	
2	1	1	1	1	1	1	0	0	1	2	3	1	0	0	1	1	1	1	1	0	1	1	0	1	1	
3	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	2	1	1	0	1	1	1	1	1	
4	1	1	1	1	0	1	0	0	1	1	2	3	2	0	0	0	0	1	0	2	1	1	1	1	1	
5	1	1	1	1	0	0	0	1	2	3	4	2	1	2	3	3	4	3	1	1	0	0	0	0	1	
6	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	0	
7	2	2	2	1	2	2	1	2	5	1	1	2	4	3	2	2	2	4	2	1	1	0	0	0	2	
8	0	6	1	1	2	1	1	0	0	0	0	1	1	1	1	0	1	1	1	1	1	0	0	0	1	
9	1	***	2	1	1	1	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	2	***	1	2	
10	1	***	1	1	1	1	1	1	1	3	3	3	3	2	2	2	2	2	2	2	1	1	1	1	2	
11	1	1	-	***	3	2	2	2	-	***	-	3	3	3	3	3	2	3	2	4	2	4	5	3	3	
12	-	***	6	7	4	2	1	1	1	4	-	4	2	1	-	***	2	2	2	2	2	1	1	2	2	
13	2	4	5	4	5	5	3	1	0	1	0	2	1	2	3	1	0	1	1	3	3	4	2	3	2	
14	2	0	1	4	1	1	1	1	0	1	0	1	0	1	1	2	0	1	1	0	2	1	0	0	1	
15	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	1	2	0	0	2	3	3	0	0	1	
16	0	0	0	0	0	***	-	0	2	5	7	-	2	4	3	-	6	1	0	0	-	0	0	-	2	
17	0	0	-	1	-	***	0	1	2	4	4	2	-	2	2	3	-	2	7	10	3	0	1	0	2	
18	3	1	2	1	1	1	1	-	1	0	0	1	1	0	0	0	1	1	1	1	1	1	0	0	1	
19	0	1	1	0	1	2	0	1	0	0	1	1	1	1	1	2	2	1	1	1	1	1	0	0	1	
20	1	1	2	1	1	1	0	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	
21	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
22	0	1	1	1	0	0	0	0	0	0	0	0	2	5	4	4	3	3	2	2	0	0	0	0	1	
23	0	0	1	0	0	0	0	1	1	1	0	1	0	1	0	0	1	1	0	1	0	0	0	1	0	
24	1	1	1	1	1	1	0	0	0	2	3	2	1	1	1	2	2	3	2	2	2	2	0	1	1	
25	1	1	2	1	2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	
26	1	1	1	1	1	-	0	1	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	1	1	-	1	2	2	2	3	***	-	0	0	0	0	1	1	2	3	4	1	0	4	5	2	
28	5	3	3	3	2	2	1	1	1	1	0	0	0	1	1	1	1	-	1	1	1	1	2	3	2	
29	2	1	1	2	2	1	1	0	1	1	1	***	1	1	1	2	-	-	1	1	1	0	0	0	1	
30	0	0	0	0	0	0	0	1	0	***	0	***	***	***	***	***	***	***	0	0	0	0	1	0	0	
MEAN	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1.1	

PERCENTAGE OF DATA VALID - 94.2

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12016

COLLEGE/SOUTH STREET WINDSOR

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	0	0	****	****	****	****	****	****	****	****	****	****	****	****	0	0	****	0	0	0	0	****
2	0	1	1	0	0	****	****	****	****	****	1	1	2	1	1	1	1	1	1	8	9	10	6	5	3
3	5	4	3	3	5	4	4	2	5	7	10	3	1	1	1	****	0	4	1	0	1	0	1	1	3
4	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	0	0	0	0	0	1	0	0	0	1
5	0	1	1	0	0	0	0	0	0	0	0	0	1	1	0	2	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	0	0	1	0	1	0	0	0	2	2	1	1	0	1	1	1	1	1
7	5	3	2	2	2	1	1	1	1	0	1	1	1	1	0	1	0	0	1	3	2	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1	1	1	1	1	1	1
9	1	1	3	2	2	2	3	2	1	2	1	2	3	3	3	2	3	3	3	3	4	3	4	4	3
10	6	4	4	3	1	1	1	****	1	1	0	0	0	1	1	1	1	1	1	0	0	1	0	0	1
11	0	0	1	0	0	****	0	0	1	3	5	3	****	2	2	2	2	3	1	1	0	0	0	0	1
12	0	0	0	0	1	0	0	0	0	****	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	0	1	0	0	0	1	0	1	1	1	1	1	1	0	0	0	1	0	1	0	0	1
14	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	1	1	1	1	0	0	0	1	1	2	1	2	1	1	1	2	2	1	1	0	0	1	0	0	0
17	0	1	0	0	0	0	0	1	0	1	1	0	1	1	0	1	1	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	****	0	0	1	3	4	3	3	1	2	2	***	1	0	0	0	0	0
19	3	0	0	0	0	0	0	0	0	0	0	1	1	0	1	2	1	1	1	0	0	0	2	2	1
20	1	0	1	0	0	0	0	0	0	1	1	2	2	1	1	0	0	0	0	0	0	****	0	1	0
21	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	4	1
22	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	0	0	1
23	0	0	0	0	0	0	0	0	0	0	1	4	2	3	3	2	1	1	1	1	1	2	2	2	1
24	2	3	2	2	2	2	4	5	4	3	3	5	4	2	3	2	3	2	2	2	2	2	3	4	3
25	3	2	2	2	2	1	5	6	7	5	5	5	5	5	4	4	5	4	4	3	4	4	3	2	4
26	3	2	2	2	2	1	2	2	3	5	6	6	5	6	5	4	4	5	5	4	3	3	3	3	4
27	2	****	****	2	****	2	2	3	5	9	7	7	4	5	7	7	7	6	4	3	2	2	2	2	4
28	2	2	2	2	2	2	3	3	3	5	7	11	6	7	4	4	4	4	4	4	3	3	2	1	4
29	2	2	2	2	2	1	2	2	2	3	2	1	3	6	3	3	3	3	3	3	3	2	2	2	2
30	1	1	1	1	0	0	0	1	0	0	1	1	2	3	2	****	3	1	0	0	1	0	0	0	1
31	1	1	3	3	4	3	3	2	2	****	1	1	1	2	1	1	1	1	1	1	1	0	1	0	2
MEAN	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1.5

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12016

COLLEGE/SOUTH STREET WINDSOR

MONTH - JUN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	0	0	0	0	0	0	0	2	3	3	4	4	4	3	2	2	3	2	1	2
2	0	1	1	2	2	1	1	1	1	1	2	2	3	3	2	3	2	4	1	1	1	1	1	1	2
3	1	1	1	1	1	0	0	1	2	1	1	1	1	1	1	****	1	1	1	1	1	1	1	1	1
4	1	1	0	1	1	0	0	1	2	2	4	3	2	2	2	3	3	2	1	1	1	2	1	1	2
5	1	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
6	1	1	1	1	1	0	0	1	1	1	5	7	5	****	-	-	2	1	1	0	1	1	1	1	2
7	1	1	2	1	1	1	1	0	0	0	0	0	1	1	0	1	1	1	1	0	1	0	0	0	1
8	0	1	1	1	3	2	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	1
9	0	0	0	0	0	****	0	1	2	4	3	1	1	2	2	2	1	1	2	2	5	7	6	7	2
10	4	3	2	1	1	0	0	0	0	2	2	2	2	3	4	4	4	2	1	1	1	1	1	1	2
11	1	2	2	2	2	2	3	3	2	2	3	3	5	4	5	7	4	2	2	3	3	2	2	2	3
12	2	2	2	2	1	1	2	2	2	2	2	3	0	1	0	0	0	0	0	1	1	1	0	0	1
13	1	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
14	1	1	0	1	1	0	0	0	****	****	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1
16	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	0	2	1	1	1
17	1	1	1	1	1	1	0	0	0	0	0	1	2	1	2	2	2	2	2	1	1	1	0	0	1
18	1	1	1	1	1	1	1	2	3	2	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	1	1	0	0	0	0	1	0
20	1	1	4	1	0	0	0	0	0	1	1	1	5	5	5	****	4	2	1	1	1	0	1	2	2
21	1	1	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1
22	1	1	1	1	1	0	0	0	5	1	2	1	1	1	1	1	1	1	2	1	1	1	0	0	1
23	2	2	1	1	0	0	0	0	2	0	1	1	2	2	1	1	1	0	1	3	3	4	3	2	1
24	2	2	2	2	2	1	1	1	1	1	1	4	3	3	3	2	1	1	1	0	0	0	0	0	2
25	0	0	0	1	1	0	0	0	1	2	3	5	1	1	1	1	1	1	0	0	0	0	0	0	1
26	0	1	0	0	0	0	0	1	0	****	****	0	0	0	0	1	1	1	0	1	1	1	0	0	0
27	1	0	0	0	0	0	0	1	2	2	0	1	3	2	2	2	2	2	2	2	2	1	2	2	1
28	2	2	1	1	1	0	1	2	2	1	1	1	2	2	3	2	3	2	2	2	1	1	0	0	1
29	0	1	1	1	0	0	2	2	1	1	1	1	2	2	3	2	3	2	2	2	1	1	0	0	1
30	1	0	0	0	0	1	0	0	1	1	1	1	1	2	5	3	2	1	0	0	1	0	1	1	1
MEAN	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12015 COLLEGE/SOUTH STREET WINDSOR												MONTH - JUL 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	9	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
3	0	1	0	1	1	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	0	0	0	0	0	0	0	****	1	0	0	3	1	1	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	3	4	4	3	2	3	2	2	1	1	1	2
8	1	1	1	0	0	0	0	0	2	1	1	0	1	0	0	0	0	0	0	0	0	0	0	1
9	1	0	0	0	0	0	0	4	2	2	2	2	3	2	2	4	2	2	2	1	1	1	0	1
10	2	1	1	0	0	1	0	0	0	1	1	1	1	1	1	0	2	2	2	1	0	4	2	1
11	1	1	0	1	1	****	0	0	****	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1
12	1	0	0	0	0	****	****	****	****	0	1	3	2	1	1	1	1	1	1	1	1	1	1	1
13	1	2	2	2	1	2	1	2	1	2	6	5	2	1	1	1	1	1	1	1	0	1	0	0
14	0	0	0	0	1	1	0	1	2	2	2	2	2	1	3	2	2	2	2	2	1	2	1	1
15	1	1	1	1	1	0	1	1	1	2	2	2	3	4	3	3	3	2	2	1	1	0	0	2
16	1	1	1	1	0	0	1	1	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0
17	0	0	1	1	0	0	0	1	1	1	1	1	2	2	2	2	2	3	2	2	1	1	0	1
18	1	1	1	1	2	1	1	2	4	3	4	2	5	****	4	4	4	3	2	1	1	1	1	2
19	1	2	2	2	2	1	1	1	1	****	0	1	0	2	7	4	2	1	1	2	1	1	1	1
20	1	1	1	1	2	1	1	1	0	1	0	3	3	3	3	1	1	2	1	0	0	****	0	****
21	****	****	****	****	****	****	****	****	****	****	0	0	1	2	3	3	2	1	1	0	0	0	0	****
22	0	0	****	****	****	****	****	****	0	0	0	0	1	1	1	1	1	2	2	1	1	1	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	****	****	****	0
24	0	0	****	****	****	****	****	****	****	****	****	****	****	****	****	0	1	1	1	1	0	0	0	****
25	1	1	1	1	1	0	0	0	0	1	1	1	1	1	2	2	2	3	2	2	1	1	0	1
26	1	1	1	1	1	1	0	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	0	2
27	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	2	1	1	1	1	1	0	0	1
28	1	1	1	1	****	0	0	0	0	1	1	****	1	1	2	3	4	4	6	11	4	2	2	1
29	1	1	1	2	****	1	1	1	1	2	2	2	2	2	1	1	2	2	1	1	0	0	0	1
30	0	1	0	1	1	0	0	1	1	1	1	1	0	0	1	0	0	1	0	0	0	0	0	0
31	0	1	0	0	0	0	0	0	0	1	0	1	1	2	2	2	2	3	3	2	1	1	1	1
MEAN	1	1	1	1	1	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 93.1

PERCENTAGE OF DATA INVALID - 6.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR												MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	1	1	1	1	1	1	0	1	1	1	2	2	2	2	2	2	3	2	1	2	1	1	1	1
2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1
3	1	1	1	1	0	0	0	0	0	0	1	0	1	2	1	1	1	1	1	1	1	1	0	0
4	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	1	1	1	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	3	0	0	1	2	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	1	0	0	2	1
7	1	1	1	1	2	1	1	0	1	2	1	0	1	1	1	1	2	1	1	1	1	1	1	0
8	1	1	1	1	2	3	1	1	0	1	2	3	2	1	2	1	2	1	1	1	1	1	0	1
9	1	2	2	2	1	2	1	2	1	2	2	2	2	1	2	2	2	2	1	1	1	0	1	0
10	0	0	1	0	0	0	0	0	0	0	0	****	0	1	1	1	1	1	1	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	****	0	****	0	****
13	0	0	0	0	****	0	****	****	0	0	1	1	2	2	2	2	2	3	3	2	2	2	1	1
14	1	2	****	2	2	2	2	2	2	2	1	2	3	4	4	4	3	3	4	4	3	2	1	1
15	0	1	0	1	1	1	0	0	0	0	1	2	3	5	5	6	5	3	3	2	2	1	1	0
16	0	0	1	0	0	1	0	0	0	0	0	0	1	1	1	1	1	2	1	1	2	2	****	****
17	2	4	3	4	5	4	3	3	3	3	2	2	1	1	2	2	2	2	2	2	1	0	0	2
18	1	1	0	0	0	0	0	0	0	1	2	2	2	3	3	2	4	3	1	1	1	1	0	0
19	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0
20	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	2	2	1	0	****	****	****	****	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0
22	0	1	1	1	1	3	3	3	6	5	2	5	3	3	3	3	4	4	4	3	3	2	1	1
23	1	1	2	1	1	1	1	1	1	2	2	3	1	7	9	8	6	4	3	2	2	1	1	3
24	2	2	2	2	1	1	1	1	1	2	2	2	4	3	3	3	3	3	3	3	2	4	3	2
25	1	1	1	1	1	0	1	0	1	1	1	1	1	1	2	2	2	2	3	3	2	1	1	1
26	1	1	1	1	1	1	0	0	0	1	3	5	2	2	3	4	3	2	1	1	2	1	1	1
27	1	1	1	1	1	1	1	1	1	2	3	4	5	4	4	3	3	3	3	2	2	1	1	2
28	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	1	1	1	1	2	2	1
29	2	3	3	1	1	3	3	1	4	1	1	0	1	0	0	0	0	0	0	0	1	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	4	2	1	0	0	0	0	0	0	0	****	0	0
31	0	0	1	****	****	0	0	****	1	1	1	1	1	1	1	2	2	1	0	0	1	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 3.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - SW NO 12016					COLLEGE/SOUTH STREET					WINDSOR					MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	1	1	0	0	0	0	1	0	0	2	5	5	6	4	5	2	1	1	1	1	0	1	0	0	2		
2	1	1	1	1	1	1	2	1	2	6	7	4	5	2	2	3	3	2	2	2	1	2	2	2	2		
3	3	2	2	4	5	9	6	3	2	2	1	3	2	2	1	2	2	1	1	0	0	1	0	2	2		
4	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	7	5	3	2	1	1	1	1	3	2		
5	3	4	3	2	2	3	3	5	4	3	2	4	5	4	2	2	2	3	5	5	3	1	1	0	3		
6	1	2	3	1	1	0	0	1	7	6	5	4	5	2	4	4	5	5	5	3	3	3	4	4	3		
7	6	4	4	5	6	6	6	6	5	4	4	1	2	2	4	4	4	4	5	4	3	2	1	0	4		
8	0	0	0	1	0	1	0	0	1	1	3	3	4	3	***	4	4	5	5	8	7	5	2	1	3		
9	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0		
10	0	0	0	1	1	1	0	0	1	3	5	6	6	4	3	3	3	4	3	3	2	1	1	1	2		
11	1	2	1	2	2	2	1	1	1	2	3	6	8	5	4	***	2	1	1	1	1	1	1	1	2		
12	1	1	1	1	0	0	0	***	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0		
13	0	0	0	0	0	0	0	0	0	0	0	***	***	***	***	***	0	0	0	0	0	0	0	0	0		
14	2	3	2	2	1	1	1	1	1	1	1	1	-	0	0	0	0	0	-	-	-	0	0	0	1		
15	1	2	2	3	2	2	3	-	6	4	2	2	2	1	1	4	4	1	1	1	1	1	0	2	2		
16	2	2	2	2	2	1	1	1	0	0	1	1	3	2	1	1	1	1	0	2	2	0	0	0	1		
17	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	***	0	1	0		
18	1	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	***	***	0	0	0	***	***	***	0		
19	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0		
20	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	1	1	1	1	0	0	0	0	0		
21	0	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0		
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	***	1	0	1	0	0	0	0	0		
23	1	1	0	1	0	1	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	0	***	
24	0	0	1	1	1	1	0	8	7	8	6	4	3	4	4	5	5	5	4	5	5	4	3	2	4		
25	2	1	1	1	1	1	1	1	***	1	0	0	1	0	0	1	0	0	1	***	3	1	0	***	1		
26	0	0	0	0	0	0	0	***	0	3	7	5	6	5	5	5	***	3	2	2	0	1	0	1	2		
27	1	1	1	1	0	0	0	0	2	3	6	3	2	3	4	3	0	0	0	0	0	0	1	0	1		
28	0	0	0	0	0	0	0	0	0	0	1	***	0	1	0	2	1	1	0	1	1	0	1	1	0		
29	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	3	2	1	1	1	1		
30	1	1	1	1	1	2	1	1	3	6	8	6	4	4	3	3	3	2	3	3	5	2	1	1	3		
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1.5		

PERCENTAGE OF DATA VALID - 94.0

PERCENTAGE OF DATA INVALID - 5.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - SW NO 12016					COLLEGE/SOUTH STREET					WINDSOR					MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	3	2	1	1	1	2	1	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	0	0	1		
2	0	0	0	0	0	0	0	1	1	1	1	1	5	3	3	3	5	3	2	1	1	1	0	0	1		
3	1	0	0	0	1	0	0	0	0	0	1	1	0	2	1	3	1	2	1	0	1	1	0	1	1		
4	1	4	5	1	1	2	4	5	3	4	2	1	3	2	3	1	0	0	1	2	0	2	1	0	2		
5	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	***	0	1	0	***	0	0	0	0		
6	0	0	0	0	***	1	1	1	2	1	2	2	1	0	0	1	0	0	1	1	1	1	1	0	1		
7	0	2	2	1	0	0	0	0	0	0	0	1	1	0	1	0	1	1	0	1	0	***	0	0	1		
8	0	0	0	1	0	0	0	0	0	0	0	0	***	1	0	0	0	0	0	1	0	0	0	0	0		
9	0	0	0	0	***	0	0	***	***	***	1	0	4	5	0	0	0	0	0	0	0	0	1	1	1		
10	2	2	1	1	1	0	0	1	1	1	2	3	2	3	5	3	-	2	2	1	2	1	1	0	2		
11	0	1	1	1	1	1	1	1	1	1	2	2	1	0	3	1	1	1	1	0	0	0	0	1	1		
12	0	0	1	0	1	***	0	1	2	2	2	2	2	1	2	1	1	1	0	1	0	0	***	0	1		
13	2	1	1	1	1	2	1	1	1	1	1	1	3	1	1	1	0	1	1	0	0	2	0	0	1		
14	0	***	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0		
15	1	1	1	1	0	1	0	0	0	0	0	1	***	1	1	1	0	0	1	0	0	***	***	***	1		
16	0	1	1	0	***	***	***	1	1	***	1	0	1	0	0	1	1	1	0	0	0	1	1	0	1		
17	0	1	1	1	0	0	1	1	1	0	0	3	2	3	4	3	4	1	1	0	0	0	0	0	1		
18	0	1	2	2	1	2	1	2	2	2	4	5	3	3	2	2	3	2	2	1	1	2	1	2	2		
19	3	2	2	2	1	1	2	1	1	2	2	3	1	1	2	3	3	3	3	3	1	0	1	0	2		
20	1	1	1	1	1	1	1	1	1	1	2	0	0	2	3	2	0	1	0	0	0	0	0	0	1		
21	0	0	1	0	1	0	0	0	0	0	0	0	1	2	1	2	1	1	2	2	1	2	2	2	1		
22	2	1	1	1	1	1	1	1	0	1	0	0	1	0	0	1	2	1	1	1	2	3	3	1	1		
23	0	1	0	0	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	1	0	0	0	0		
24	0	0	0	1	0	1	1	1	1	2	5	3	2	***	4	4	4	1	1	2	2	4	6	2	2		
25	3	3	4	3	2	2	3	3	5	4	3	2	2	3	2	2	2	2	1	1	1	1	0	1	2		
26	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	2	1		
27	3	6	3	2	2	3	2	1	1	1	4	4	2	3	4	4	5	2	1	1	1	2	2	3	3		
28	2	3	5	4	4	2	2	1	0	0	***	0	0	0	0	1	0	0	0	0	1	1	1	0	1		
29	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0		
30	0	0	0	0	0	***	***	0	***	***	0	0	0	0	0	0	0	1	2	3	***	1	0	0	1		
31	2	1	2	1	1	0	0	***	1	0	0	0	***	***	***	1	0	1	1	0	0	1	1	1	1		
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1		

PERCENTAGE OF DATA VALID - 94.6

PERCENTAGE OF DATA INVALID - 5.2

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	2	3	1	2	0	0	0	3	4	1	1	0	1	0	0	0	0	1	1
2	5	3	3	2	1	1	1	0	1	5	5	3	3	3	2	2	2	4	7	7	6	4	3	2	3
3	1	1	2	1	1	1	1	1	1	1	1	1	4	3	4	5	5	4	3	2	2	1	1	1	2
4	1	1	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	4	3	2	2	2	2	2
5	2	2	2	2	2	2	2	1	1	3	3	3	4	4	4	5	4	4	3	3	4	6	5	4	3
6	4	5	4	7	4	2	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	2	2
7	1	2	1	1	1	0	1	1	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1
8	1	1	0	1	0	0	1	0	1	4	4	0	1	1	2	1	1	3	2	3	4	3	1	1	2
9	2	2	4	3	2	2	2	2	4	4	8	3	3	2	3	2	1	2	2	3	1	1	2	2	3
10	2	4	3	3	2	2	3	2	2	3	2	0	0	0	2	1	0	1	1	1	0	1	1	2	2
11	1	0	0	0	0	0	0	0	1	1	0	0	1	2	2	5	1	1	1	1	0	0	1	0	1
12	0	0	1	1	0	0	1	0	1	1	1	0	1	1	1	1	0	3	1	0	0	0	0	0	1
13	0	0	1	0	0	0	0	0	0	0	1	2	3	1	1	1	1	1	1	1	0	1	1	1	1
14	1	1	2	2	2	2	3	3	4	3	4	3	2	1	1	1	1	1	2	1	1	1	1	2	2
15	1	1	1	1	0	0	1	0	0	0	0	0	0	2	1	0	0	1	0	0	0	0	0	1	0
16	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	2	1	2	2	2	2	1	1
17	0	1	0	1	1	1	2	2	2	1	1	1	1	1	0	0	2	2	3	2	2	4	3	3	2
18	3	4	3	3	3	3	4	3	2	3	2	2	1	3	3	2	3	1	1	1	1	1	1	1	2
19	4	4	5	4	3	5	7	2	1	1	1	1	1	2	1	1	1	0	1	1	0	1	0	2	2
20	1	2	1	3	1	1	1	1	0	0	1	0	0	0	0	1	1	0	1	1	0	0	0	0	1
21	1	2	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	2	1	1	2	2	1	1	1	2	2	1	1	2	3	2	3	2	2	1	2	2	2	2	3
23	1	1	1	2	3	4	4	4	4	2	2	2	4	4	3	4	4	4	4	5	3	2	2	3	2
24	2	3	2	3	2	3	2	2	2	2	2	1	1	2	2	2	2	1	1	3	2	3	2	1	2
25	1	2	2	1	3	2	2	2	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1
26	0	1	1	3	0	0	1	0	0	0	0	0	0	1	0	1	0	1	1	1	1	0	1	0	1
27	0	1	1	1	0	1	1	0	1	0	1	1	1	1	2	1	1	3	3	3	4	4	4	4	2
28	6	2	3	2	3	2	1	1	3	2	2	4	3	2	2	1	2	2	2	1	1	5	3	2	2
29	1	0	1	1	0	0	0	1	1	4	6	7	3	1	1	1	2	3	2	2	1	3	2	3	2
30	2	2	4	2	2	1	2	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	3	7	2
MEAN	2	2	2	2	1	1	2	1	1	2	2	1	2	2	2	2	1	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR													MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	4	4	2	1	1	1	3	3	2	1	2	1	2	3	2	1	1	1	1	1	1	2
2	0	1	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	1	0	3	2	0	0	0
3	0	0	0	0	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	2	3	4	4	3	3	4	3	3	3	3	2	2	2	3	3	1	0	1	0	0	0	0	2
5	1	5	1	1	1	1	2	0	1	1	1	0	0	0	0	1	1	0	1	1	1	1	1	3	5
6	6	1	2	3	2	2	1	2	5	5	4	3	3	3	2	1	1	1	1	1	1	0	0	0	2
7	1	1	1	1	1	3	1	1	0	0	1	0	0	0	0	0	0	1	1	0	0	0	0	1	0
8	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	0	0	1	1	3	1	0	0	0	0	0	1	2	0	4	2	2	0
10	0	2	2	2	2	2	4	2	3	4	2	1	1	1	1	1	1	2	2	3	3	3	4	3	2
11	5	6	2	2	1	2	2	4	8	8	6	7	7	7	5	3	2	2	2	1	1	3	3	3	4
12	3	2	4	4	5	4	2	1	3	0	1	1	1	1	1	2	0	0	0	1	2	1	1	1	2
13	1	1	2	1	1	2	3	4	5	2	1	1	1	2	2	1	1	1	1	1	1	2	1	1	2
14	1	1	1	2	2	2	5	2	3	4	3	2	1	0	0	1	10	1	-	-	-	-	-	-	2
15	-	-	-	-	-	-	-	-	-	2	5	7	5	4	5	3	5	3	2	4	3	2	2	5	2
16	3	2	6	2	1	2	2	1	1	2	2	2	3	4	1	2	2	2	1	5	2	1	3	2	2
17	0	2	1	2	1	2	1	1	0	0	1	1	0	1	2	1	2	2	2	2	4	2	3	3	2
18	4	5	3	3	4	3	3	3	4	4	4	3	3	2	2	1	1	1	1	1	0	0	0	0	2
19	0	0	1	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	1	0
20	1	1	2	3	2	2	3	3	2	3	3	5	5	3	3	2	2	1	2	5	3	2	3	3	0
21	4	2	3	2	3	2	5	3	3	3	3	1	2	2	4	3	3	2	3	3	4	4	4	2	3
22	3	4	3	1	1	1	2	2	2	2	2	1	3	4	3	4	4	7	4	4	5	4	2	2	3
23	3	2	3	2	3	2	2	1	2	2	3	3	2	2	1	1	3	1	1	0	1	0	0	1	2
24	2	2	3	3	3	4	4	3	3	3	2	2	1	2	1	1	1	0	0	0	0	0	1	1	2
25	1	3	2	3	2	1	2	0	0	1	1	2	1	1	1	2	2	3	4	4	4	4	5	6	2
26	4	3	3	3	3	1	1	1	3	2	1	2	2	1	1	2	2	1	3	3	3	4	2	3	2
27	3	4	3	3	4	4	6	1	-	2	2	2	0	2	1	1	2	1	3	1	1	2	2	3	2
28	2	1	1	1	2	1	0	2	1	2	2	0	4	2	2	1	2	1	2	1	0	0	1	0	1
29	0	0	2	1	2	1	1	1	0	1	2	-	-	-	2	2	3	2	1	2	2	4	6	2	2
30	7	6	5	4	3	3	1	0	0	1	1	1	0	1	1	1	0	0	0	0	0	0	1	1	2
31	****	1	1	1	1	3	0	1	0	0	0	0	0	1	1	1	0	0	1	0	0	1	0	-	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	1	1	2	2	1	2	2	1.8

PERCENTAGE OF DATA VALID - 94.5

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 2.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.3	5	14
FEB	28	1.9	4	15
MAR	31	1.5	3	11
APR	30	1.1	3	10
MAY	30	1.5	4	11
JUN	30	1.1	3	11
JUL	29	0.9	2	11
AUG	31	1.2	3	11
SEP	29	1.5	4	9
OCT	31	1.0	3	6
NOV	30	1.6	3	8
DEC	30	1.8	4	10
YEAR	360	1.5	5	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12016 COLLEGE/SOUTH STREET WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	680	50	1	0	0	0	0	0	731
FEB	628	37	1	0	0	0	0	0	666
MAR	726	12	1	0	0	0	0	0	739
APR	669	9	0	0	0	0	0	0	678
MAY	686	23	1	0	0	0	0	0	710
JUN	701	6	1	0	0	0	0	0	708
JUL	688	4	1	0	0	0	0	0	693
AUG	709	6	1	0	0	0	0	0	716
SEP	646	31	0	0	0	0	0	0	677
OCT	702	2	0	0	0	0	0	0	704
NOV	703	11	0	0	0	0	0	0	714
DEC	686	17	0	0	0	0	0	0	703
YEAR	8224	208	7	0	0	0	0	0	8439

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										ARITH MEAN
	MIN	10	30	50	70	90	95	98	99	MAX	
96.3	0	0.0	0.0	0.6	1.4	3.0	4.0	5.5	6.6	15	1.5

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR																MONTH - JAN 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	3	3	2	5	5	3	2	2
2	3	3	5	3	4	3	2	2	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2
3	2	2	3	3	2	3	3	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
4	1	1	0	3	3	1	2	4	8	6	4	3	3	2	2	2	2	2	2	2	2	2	2	1	2
5	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	3	2	2	2	2	2	2	1	1	2
6	1	2	2	2	3	4	2	2	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	1	1	1	4	4	4	3	2	0	2	3	2	3	3	1	1	2	2
9	3	3	1	1	2	3	3	3	2	2	1	1	1	0	0	1	1	1	1	1	1	1	2	1	2
10	1	1	0	0	0	0	0	0	0	0	2	2	4	3	3	2	3	3	2	2	2	2	2	1	1
11	1	0	1	1	1	1	1	1	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
12	2	2	3	3	3	3	2	3	3	2	2	3	3	3	3	2	2	1	1	1	1	2	2	1	2
13	0	0	0	0	1	1	2	2	2	3	3	3	3	5	7	9	7	4	4	3	2	3	3	3	3
14	3	2	1	1	1	1	0	0	0	0	0	0	2	2	1	1	2	2	3	3	3	3	2	2	2
15	2	2	4	4	3	4	2	2	2	5	3	2	4	2	0	0	0	1	2	0	1	1	1	1	2
16	1	1	2	2	3	2	2	1	1	0	0	1	0	****	2	2	2	2	2	2	1	1	1	1	1
17	1	1	1	1	1	1	2	1	1	1	1	3	4	2	2	4	4	4	3	2	2	2	2	2	2
18	1	1	1	1	1	2	2	1	3	2	1	1	3	4	4	3	2	2	1	0	0	0	0	1	2
19	1	1	1	1	2	2	1	1	1	1	5	3	8	3	2	2	4	6	7	4	3	3	4	4	3
20	4	4	3	2	2	2	3	2	3	****	3	3	2	2	2	1	1	1	1	2	5	4	3	2	2
21	2	1	1	2	1	3	2	3	2	3	3	3	6	6	3	5	2	2	1	1	1	3	2	2	3
22	1	3	2	0	0	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	1	1	1	1	2	3	5	6	6	6	6	****	4	4	5	7	9	8	7	8	9	6	6	5	5
24	5	7	6	6	5	2	2	2	2	4	5	6	6	6	5	5	3	2	2	3	2	2	3	4	4
25	4	3	4	3	2	2	1	2	1	2	1	2	3	2	2	3	5	5	4	4	5	4	3	2	3
26	2	1	1	1	2	2	1	2	1	1	1	0	1	1	1	1	1	0	1	0	0	0	0	0	1
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0
28	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	1	1	2	2	1	3	1	1
29	1	1	1	1	2	3	2	1	2	2	2	2	2	2	2	3	3	3	3	2	1	2	2	2	2
30	2	1	2	2	1	2	1	1	0	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1
31	2	2	2	2	2	2	2	2	3	2	2	2	2	2	1	2	2	1	1	1	1	1	0	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR																MONTH - FEB 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
2	1	1	2	1	1	1	1	1	2	4	5	7	4	2	2	2	1	2	5	1	2	2	3	5	2
3	2	2	2	2	1	1	1	2	4	5	3	1	1	1	1	1	1	1	1	0	0	0	1	1	1
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	****	****	****	****	****	****	****	****	****	4	4	3	4	6	6	4	4	4	4	4	5	4	3	3	4
6	3	3	2	1	3	2	2	2	4	2	2	2	2	1	2	2	2	1	2	2	2	3	5	4	2
7	2	3	4	3	2	3	4	3	5	3	4	3	4	2	2	3	2	2	3	2	3	3	4	1	3
8	1	2	3	3	2	2	2	2	2	3	****	5	4	3	4	6	6	4	3	1	1	1	1	2	3
9	2	2	1	1	3	2	3	4	6	5	8	4	5	1	1	1	1	1	1	1	1	1	4	2	3
10	8	1	0	1	2	0	1	1	6	6	10	4	2	1	1	0	0	1	1	0	0	1	1	1	2
11	0	1	0	1	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	2	0	0	0	0	0
12	2	2	1	1	1	0	0	0	2	2	3	1	1	1	1	1	1	1	1	1	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	****	3	3	3	2	1	1	1	1	1
14	1	1	1	1	2	3	3	2	1	1	3	4	3	3	3	2	2	2	2	3	3	3	2	1	2
15	1	0	0	1	1	1	0	0	0	1	2	2	3	3	3	3	3	2	2	2	2	2	2	3	2
16	2	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	2	3	3	3	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2
18	3	2	3	2	2	2	3	4	4	4	3	3	3	3	3	3	2	2	2	1	1	1	1	1	2
19	1	2	3	3	3	3	2	1	2	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	2
20	1	1	1	1	1	1	0	1	1	1	1	3	2	2	3	4	2	2	1	1	1	1	1	1	1
21	2	1	2	6	7	3	2	2	3	4	4	4	3	3	3	3	2	2	2	2	3	3	4	4	3
22	5	5	5	4	5	2	2	1	2	2	4	3	2	2	2	2	1	1	1	1	1	1	1	1	2
23	1	0	0	0	0	0	1	0	0	1	2	3	3	3	3	3	3	3	2	3	2	3	2	2	2
24	3	3	1	1	2	2	1	1	1	1	2	2	1	1	1	1	1	1	2	2	1	2	2	2	2
25	2	1	1	1	1	1	1	1	1	3	2	3	2	3	3	3	3	2	2	2	2	1	2	2	2
26	2	1	1	1	4	2	1	1	2	1	1	2	2	2	2	2	2	2	2	3	2	1	0	1	2
27	1	1	2	2	3	3	3	3	3	2	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2
28	1	1	1	0	0	0	0	0	0	0	1	3	5	4	4	2	2	2	2	2	2	2	1	2	2
MEAN	2	2	2	2	2	1	1	1	2	2	3	3	2	2	2	2	2	2	2	2	2	1	2	2	1.9

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032

MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH - MAR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	2	3	2	2	2	3	****	3	2	2	2	2	2	2	2	2	1	1	1	1	2
2	0	0	0	1	2	1	0	0	0	1	1	1	1	2	2	3	6	3	3	2	2	1	2	2	2
3	2	2	2	2	2	3	2	2	3	****	8	6	4	2	2	2	2	2	3	3	3	4	4	2	3
4	1	2	4	3	4	2	2	1	1	2	3	2	2	3	3	3	2	2	1	1	1	2	2	3	2
5	2	2	1	1	1	1	1	0	1	1	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	2	1	1	1	2	2	3	3	4	5	5	6	4	4	3	3	2	2	1	1	3
7	1	1	1	1	1	0	0	0	2	2	2	2	2	2	2	3	4	3	2	2	2	3	4	2	2
8	2	1	1	1	1	1	1	1	2	1	2	2	2	****	5	7	2	3	2	1	1	2	1	1	2
9	1	1	1	1	1	0	0	0	0	1	1	1	2	2	3	4	3	2	2	1	1	1	2	3	1
10	2	1	1	1	0	1	1	4	5	4	3	2	2	3	3	2	2	2	2	2	2	2	3	3	2
11	4	3	3	2	2	2	2	2	2	3	3	3	4	4	4	4	3	3	3	3	3	2	2	2	3
12	1	1	1	2	2	3	2	2	1	2	3	2	2	2	1	2	2	2	1	1	1	0	0	0	2
13	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	3	4	2	3	3	2	2	2	1
14	2	1	1	1	1	1	1	1	1	1	1	2	2	2	-	-	-	-	-	-	-	-	-	-	*****
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	1	1	1	0	1	3	1	2	4	3	1	2	2	2	2	2	2	2	2	3	5	2	1	2	2
17	2	2	2	2	1	2	1	1	1	1	1	1	1	1	1	1	4	1	1	1	1	3	2	1	1
18	1	1	1	1	2	3	3	4	4	4	5	5	5	5	6	6	7	6	7	7	7	7	6	4	5
19	6	5	5	6	6	6	6	6	6	8	8	7	6	6	5	5	5	4	4	3	3	3	3	3	3
20	2	2	1	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	0	0	0	0	0	0	0	1	0	1	1	0	0	****	****	0	0	2	2	2	1
22	1	1	1	1	1	1	1	0	0	0	2	6	2	1	2	1	2	2	2	2	2	3	1	0	1
23	0	0	0	0	0	0	0	0	0	1	3	3	0	0	0	0	0	1	1	3	5	2	1	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	1	2	2	2	1	1	1	0	0	0	0	0	0	0	2	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	2	2	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1
28	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1
29	1	2	2	1	1	6	3	4	4	2	2	3	3	2	3	3	2	2	****	2	1	2	1	1	2
30	1	1	1	2	1	1	1	2	3	4	2	3	3	6	11	6	3	2	2	2	2	2	1	1	3
31	1	1	1	1	1	1	1	0	0	0	1	2	2	2	3	3	3	2	2	1	1	1	1	2	1
MEAN	1	1	1	1	1	2	1	1	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 92.6

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 6.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032

MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH - APR 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	2	3	3	3	2	2	2	2	1	2	1	3	9	4	3	4	2	3	2	2	3
2	2	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1
4	1	1	1	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	2	6	5	5	5	2	3
5	5	3	5	2	2	1	1	1	1	1	2	3	2	4	4	5	6	3	2	2	2	1	1	2	3
6	2	2	3	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	5	6	5	2	1	1	0	1	1	1	2	1	2	2	2	2	3	4	6	5	2	1	1	2	2
8	3	4	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
9	1	5	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
10	1	1	1	1	1	1	1	1	2	3	3	3	4	3	3	3	3	2	2	1	1	1	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	2	3	4	3	2	1	1	2	2	2	3	3	2	3	2	2	2
13	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	2	2	2	3	3	3	2	1	1	2	2	2	2	2	3	1	1	2
15	0	0	0	0	0	0	0	1	4	4	3	4	2	2	2	3	2	2	1	1	1	0	0	0	1
16	0	0	0	0	0	0	0	1	4	4	3	3	3	4	3	4	3	3	6	8	9	1	1	1	3
17	0	0	0	0	0	0	0	1	4	4	3	3	3	4	3	4	3	3	6	8	9	1	1	1	3
18	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
19	0	0	1	1	1	0	0	0	0	0	1	1	1	1	2	2	1	1	1	1	1	1	0	0	1
20	0	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
21	1	1	1	1	2	1	1	0	1	0	1	1	1	1	1	2	2	1	1	1	0	0	0	0	1
22	0	0	0	0	0	0	1	0	1	0	1	2	1	3	3	4	2	2	2	1	1	0	0	0	1
23	0	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	2	3	1	1	1	2	3	2	3	2	2	2	3	1	0
25	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	3	4	4	2	2	3	2
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	4	4	3	2	3	2	6	8	4	3	****	2	2	2	3	2	3	3	2	2	2	1	2	4	3
29	4	4	3	2	3	2	4	3	5	3	2	2	2	2	2	3	2	2	2	2	1	1	1	0	2
30	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
MEAN	1	1	1	1	1	1	1	1	2	1	2	2	1	2	2	2	2	2	2	2	2	1	1	1	1.5

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY









ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.9	5	9
FEB	28	1.9	4	10
MAR	28	1.8	5	11
APR	30	1.5	3	9
MAY	30	1.3	4	8
JUN	27	2.1	5	12
JUL	11	0.9	2	6
AUG	30	1.8	4	12
SEP	23	1.4	3	10
OCT	29	1.4	3	9
NOV	25	1.4	2	8
DEC	27	1.8	4	10
YEAR	319	1.6	5	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12032 MORTON DOCK BEDFORD/OJIBWAY WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	710	28	0	0	0	0	0	0	738
FEB	644	13	0	0	0	0	0	0	657
MAR	658	30	1	0	0	0	0	0	689
APR	705	10	0	0	0	0	0	0	715
MAY	696	27	0	0	0	0	0	0	723
JUN	641	28	1	0	0	0	0	0	670
JUL	325	1	0	0	0	0	0	0	326
AUG	695	18	1	0	0	0	0	0	714
SEP	583	18	0	0	0	0	0	0	601
OCT	704	12	0	0	0	0	0	0	716
NOV	601	7	0	0	0	0	0	0	608
DEC	649	9	0	0	0	0	0	0	658
YEAR	7611	201	3	0	0	0	0	0	7815

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
89.2	0	0.0	0.3	0.8	1.6	2.9	4.0	5.4	6.3	12	1.6



## UNITS - 0.01 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## UNITS - 0.01 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14004 HYDRO SS CONCESSION 14/15 COURTRIGHT

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.1	1	4
FEB	25	0.2	1	5
MAR	31	0.1	1	5
APR	30	0.2	1	10
MAY	31	1.1	4	36
JUN	30	1.1	9	67
JUL	26	0.4	3	24
AUG	31	0.6	3	14
SEP	28	1.1	6	54
OCT	28	0.1	1	6
NOV	21	0.4	3	5
DEC	15	0.2	1	4
YEAR	327	0.5	9	67

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14004 HYDRO SS CONCESSION 14/15 COURTRIGHT

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	740	0	0	0	0	0	0	0	740
FEB	601	0	0	0	0	0	0	0	601
MAR	738	0	0	0	0	0	0	0	738
APR	712	4	0	0	0	0	0	0	716
MAY	722	10	2	0	0	1	0	0	735
JUN	691	13	1	1	0	3	0	1	710
JUL	656	2	3	1	1	0	0	0	663
AUG	717	11	3	0	0	0	0	0	731
SEP	663	23	2	1	0	1	0	1	691
OCT	662	1	0	0	0	0	0	0	663
NOV	541	0	0	0	0	0	0	0	541
DEC	376	0	0	0	0	0	0	0	376
YEAR	7819	64	11	3	1	5	0	2	7905

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.2	0	0.0	0.0	0.0	0.0	1.2	2.0	3.6	5.2	67	0.5













MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016 OPPOSITE LAMBTON GS HWY40 COURTRIGHT

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	2.5	7	13
FEB	28	1.8	3	8
MAR	31	1.5	4	10
APR	28	2.4	4	18
MAY	28	2.9	7	19
JUN	30	2.1	5	17
JUL	30	1.2	3	17
AUG	31	1.4	5	32
SEP	24	1.4	4	8
OCT	26	1.6	4	7
NOV	30	1.5	4	17
DEC	27	0.7	2	4
YEAR	340	1.8	7	32

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14016 OPPOSITE LAMBTON GS HWY40 COURTRIGHT

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	582	51	5	0	0	0	0	0	0	0	0	0	638
FEB	644	4	0	0	0	0	0	0	0	0	0	0	648
MAR	719	15	0	0	0	0	0	0	0	0	0	0	734
APR	613	24	4	1	0	0	0	0	0	0	0	0	642
MAY	562	53	20	2	0	0	0	0	0	0	0	0	637
JUN	663	25	3	1	0	0	0	0	0	0	0	0	692
JUL	704	6	2	1	0	0	0	0	0	0	0	0	713
AUG	704	10	2	1	0	0	2	0	0	0	0	0	719
SEP	613	13	0	0	0	0	0	0	0	0	0	0	626
OCT	638	5	0	0	0	0	0	0	0	0	0	0	643
NOV	701	5	0	2	0	0	0	0	0	0	0	0	708
DEC	652	0	0	0	0	0	0	0	0	0	0	0	652
YEAR	7795	211	36	8	0	2	0	0	0	0	0	0	8052

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.9	0	0.0	0.2	0.9	1.7	3.3	4.4	6.2	7.9	32	1.8















ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.2	13	35
FEB	28	2.3	8	17
MAR	31	1.9	6	17
APR	30	0.8	5	23
MAY	31	1.7	8	34
JUN	30	2.2	11	25
JUL	31	1.9	8	32
AUG	30	2.0	6	27
SEP	30	1.6	6	63
OCT	31	2.6	13	23
NOV	26	2.6	14	33
DEC	18	1.1	4	11
YEAR	347	1.9	14	63

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14049 156 VICTORIA ST NORTH SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	681	21	5	9	5	4	0	0	725
FEB	610	40	16	2	0	0	0	0	668
MAR	696	28	5	4	0	0	0	0	733
APR	674	8	2	1	1	0	0	0	686
MAY	700	21	8	4	2	2	0	0	737
JUN	620	55	29	11	1	0	0	0	716
JUL	645	50	30	4	1	1	0	0	731
AUG	630	53	11	3	1	1	0	0	699
SEP	665	32	10	4	1	1	0	1	714
OCT	617	62	31	15	10	0	0	0	735
NOV	563	45	19	7	7	7	0	0	648
DEC	476	22	2	0	0	0	0	0	500
YEAR	7577	437	168	64	29	16	0	1	8292

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.7	0	0.0	0.0	0.5	1.1	4.3	8.0	12.8	16.5	63	1.9















MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.1	3	7
FEB	27	1.1	3	9
MAR	26	1.0	3	12
APR	28	0.6	2	8
MAY	25	0.7	2	11
JUN	28	0.7	3	14
JUL	27	0.9	4	22
AUG	28	1.2	4	17
SEP	25	1.4	5	15
OCT	31	1.5	5	18
NOV	28	1.3	4	18
DEC	27	1.0	3	7
YEAR	330	1.0	5	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14062 242 INDIAN ROAD SOUTH, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	691	12	0	0	0	0	0	0	703
FEB	639	11	0	0	0	0	0	0	650
MAR	650	6	1	0	0	0	0	0	657
APR	663	1	0	0	0	0	0	0	664
MAY	594	8	1	0	0	0	0	0	603
JUN	678	7	2	0	0	0	0	0	687
JUL	671	9	1	1	1	0	0	0	683
AUG	678	27	2	1	0	0	0	0	708
SEP	578	26	8	0	0	0	0	0	612
OCT	699	18	12	1	0	0	0	0	730
NOV	658	25	2	1	0	0	0	0	686
DEC	640	8	0	0	0	0	0	0	648
YEAR	7839	158	29	4	1	0	0	0	8031

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.7	0	0.0	0.0	0.1	0.7	2.2	3.5	5.5	7.1	22	1.0

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	- DATA UNAVAILABLE -																								
2	- DATA UNAVAILABLE -																								
3	- DATA UNAVAILABLE -																								
4	- DATA UNAVAILABLE -																								
5	- DATA UNAVAILABLE -																								
6	- DATA UNAVAILABLE -																								
7	- DATA UNAVAILABLE -																								
8	- DATA UNAVAILABLE -																								
9	- DATA UNAVAILABLE -																								
10	- DATA UNAVAILABLE -																								
11	- DATA UNAVAILABLE -																								
12	- DATA UNAVAILABLE -																								
13	- DATA UNAVAILABLE -																								
14	- DATA UNAVAILABLE -																								
15	- DATA UNAVAILABLE -																								
16	- DATA UNAVAILABLE -																								
17	- DATA UNAVAILABLE -																								
18	- DATA UNAVAILABLE -																								
19	- DATA UNAVAILABLE -																								
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	1	1	1	1	*****
21	1	0	0	1	1	1	1	0	0	1	1	1	1	2	2	1	2	1	1	0	0	1	1	1	1
22	0	0	1	1	0	0	0	1	1	1	1	1	2	2	2	2	3	3	3	2	3	4	4	2	2
23	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	1	2	2	1	1	1	2
24	1	1	1	0	0	0	0	0	0	2	1	1	1	1	0	0	0	1	0	0	0	1	0	0	1
25	0	0	0	0	0	0	0	0	0	2	1	1	***	1	0	2	3	2	4	2	1	1	1	0	1
26	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0
28	0	0	1	0	0	0	0	0	****	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
29	1	2	1	1	3	2	4	7	3	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	1	2	5	2	1	1	2	1
MEAN	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0

PERCENTAGE OF DATA VALID - 35.2

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 63.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - SW NO 14064											CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA											MONTH - AUG 78				
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	1	1	1	1	1	1	2	2	4	3	2	1	1	1	1	1	1	1	1	1	1	0	0	1	
2	1	1	0	0	0	0	0	1	2	18	13	10	11	12	13	11	10	7	11	4	3	2	1	1	6	
3	1	1	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	
5	2	1	1	0	0	0	1	1	3	4	3	2	3	4	4	6	5	3	2	3	3	2	3	3	2	
6	2	1	3	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	
7	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1	1	1	
8	1	1	1	1	1	1	1	1	1	3	3	2	1	1	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	***	***	***	***	***	1	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	3	5	7	2	1	1	1	1	1	***	
13	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	1	2	1	0	0	0	
14	0	0	0	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	
15	***	***	***	***	***	***	***	***	***	***	***	***	0	0	0	0	0	0	0	0	0	0	0	0	***	
16	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	1	1	6	6	4	7	2	1	0	3	5	5	4	***	8	6	4	3	1	1	0	0	0	1	2	
20	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	1	2	8	10	3	***	1	1	1	1	1	1	1	0	0	1	1	1	
22	1	0	1	0	0	0	1	1	2	2	4	***	4	4	5	6	4	4	4	3	4	5	4	3	0	
23	3	4	3	2	2	2	2	2	5	6	5	6	5	8	5	9	22	21	11	10	5	11	8	10	7	
24	5	3	2	3	2	4	4	3	4	3	2	3	3	2	2	2	2	2	2	2	2	2	1	3	0	
25	1	1	1	1	1	1	1	1	1	1	1	1	***	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	
28	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	***	***	***	***	***	***	***	***	***	***	1	2	2	2	2	3	3	3	3	3	3	3	3	3	***	
30	2	2	2	2	2	2	2	3	3	4	4	3	3	3	4	4	2	2	1	1	1	0	0	0	2	
31	0	0	1	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	1	1	1	1	1	1	1	1	1	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	1	

PERCENTAGE OF DATA VALID - 88.6

PERCENTAGE OF DATA INVALID - 11.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL	11	0.8	2	7
AUG	26	1.3	7	22
SEP	30	1.4	6	48
OCT	29	2.1	10	16
NOV	30	2.1	9	22
DEC	26	1.4	4	13
YEAR	152	1.6	10	48

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	TOTAL
JAN	DATA UNAVAILABLE												
FEB	DATA UNAVAILABLE												
MAR	DATA UNAVAILABLE												
APR	DATA UNAVAILABLE												
MAY	DATA UNAVAILABLE												
JUN	DATA UNAVAILABLE												
JUL	268	1	0	0	0	0	0	0	0	0	0	0	269
AUG	628	20	8	1	2	0	0	0	0	0	0	0	659
SEP	674	26	6	0	1	0	2	0	0	0	0	0	709
OCT	622	52	22	4	0	0	0	0	0	0	0	0	700
NOV	649	36	20	5	1	0	0	0	0	0	0	0	711
DEC	628	13	2	0	0	0	0	0	0	0	0	0	643
YEAR	3469	148	58	10	4	0	2	0	0	0	0	0	3691

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
83.6	0	0.0	0.0	0.4	1.1	3.4	5.8	10.0	12.6	48	1.6















MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.8	5	7
FEB	24	1.2	3	6
MAR	24	0.9	2	7
APR	27	0.6	2	5
MAY	30	0.5	2	2
JUN	29	0.6	1	5
JUL	23	1.0	5	10
AUG	29	0.8	3	5
SEP	19	1.6	4	7
OCT	28	0.6	2	6
NOV	29	0.9	3	5
DEC	27	1.1	2	6
YEAR	320	0.9	5	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	723	9	0	0	0	0	0	0	0	0	0	732
FEB	591	1	0	0	0	0	0	0	0	0	0	592
MAR	602	2	0	0	0	0	0	0	0	0	0	604
APR	633	0	0	0	0	0	0	0	0	0	0	633
MAY	704	0	0	0	0	0	0	0	0	0	0	704
JUN	690	0	0	0	0	0	0	0	0	0	0	690
JUL	561	32	0	0	0	0	0	0	0	0	0	593
AUG	707	0	0	0	0	0	0	0	0	0	0	707
SEP	477	5	0	0	0	0	0	0	0	0	0	482
OCT	674	1	0	0	0	0	0	0	0	0	0	675
NOV	703	0	0	0	0	0	0	0	0	0	0	703
DEC	645	1	0	0	0	0	0	0	0	0	0	646
YEAR	7710	51	0	0	0	0	0	0	0	0	0	7761

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
88.6	0	0.0	0.0	0.2	0.8	1.9	2.7	3.8	4.6	10	0.8













MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.0	0	0
FEB	12	0.3	1	7
MAR	15	0.0	0	1
APR	30	0.0	0	0
MAY	31	0.0	0	0
JUN	30	0.0	0	0
JUL	31	0.0	0	1
AUG	30	0.3	1	5
SEP	30	0.1	1	2
OCT	31	0.1	0	2
NOV	30	0.2	1	3
DEC	31	0.0	1	2
YEAR	332	0.1	1	7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 18001 MACKENZIE RR 2 TIVERTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	744	0	0	0	0	0	0	0	744
FEB	310	1	0	0	0	0	0	0	311
MAR	370	0	0	0	0	0	0	0	370
APR	717	0	0	0	0	0	0	0	717
MAY	739	0	0	0	0	0	0	0	739
JUN	714	0	0	0	0	0	0	0	714
JUL	738	0	0	0	0	0	0	0	738
AUG	728	0	0	0	0	0	0	0	728
SEP	719	0	0	0	0	0	0	0	719
OCT	739	0	0	0	0	0	0	0	739
NOV	712	0	0	0	0	0	0	0	712
DEC	740	0	0	0	0	0	0	0	740
YEAR	7970	1	0	0	0	0	0	0	7971

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.0	0	0.0	0.0	0.0	0.0	0.0	0.3	0.8	0.9	7	0.1







## UNITS - 0.01 PARTS/MILLION

STATION - WC NO 21006											POST OFFICE BRANTFORD											MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0										
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	1	2	2	1	1	1	1	1	1										
7	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1										
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0										
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
13	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1										
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
15	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0										
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
18	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1										
19	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
20	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1										
21	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0										
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
24	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0										
25	0	0	0	0	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0										
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0										
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0										
31	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \* - \* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 21006

POST OFFICE BRANTFORD

MONTH - AUG 78

[illegible]

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 21006 POST OFFICE BRANTFORD

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.2	4	5
FEB	28	1.2	3	5
MAR	31	0.6	2	14
APR	23	0.3	1	3
MAY	31	0.4	1	5
JUN	30	0.3	1	6
JUL	31	0.2	1	2
AUG	31	0.3	1	9
SEP	29	0.2	1	4
OCT	31	0.3	1	5
NOV	19	0.8	2	3
DEC	29	1.2	2	5
YEAR	344	0.6	4	14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 21006 POST OFFICE BRANTFORD

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	734	7	0	0	0	0	0	0	741
FEB	668	0	0	0	0	0	0	0	668
MAR	737	1	3	0	0	0	0	0	741
APR	574	0	0	0	0	0	0	0	574
MAY	739	0	0	0	0	0	0	0	739
JUN	717	1	0	0	0	0	0	0	718
JUL	741	0	0	0	0	0	0	0	741
AUG	741	1	0	0	0	0	0	0	742
SEP	701	0	0	0	0	0	0	0	701
OCT	740	0	0	0	0	0	0	0	740
NOV	474	0	0	0	0	0	0	0	474
DEC	720	0	0	0	0	0	0	0	720
YEAR	8286	10	3	0	0	0	0	0	8299

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT							MAX	ARITH MEAN
				50	70	90	95	98	99			
94.7	0	0.0	0.0	0.0	0.4	1.2	1.8	2.4	2.9	14	0.6	













MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.2	6	7
FEB	17	0.6	4	11
MAR	31	0.7	2	6
APR	28	0.5	2	7
MAY	31	0.5	2	4
JUN	26	0.7	2	3
JUL	27	0.8	3	8
AUG	30	0.5	2	4
SEP	25	0.9	3	15
OCT	23	0.7	2	6
NOV	25	0.9	3	14
DEC	22	0.6	2	4
YEAR	316	0.7	6	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	701	25	0	0	0	0	0	0	726
FEB	442	9	1	0	0	0	0	0	452
MAR	712	3	0	0	0	0	0	0	715
APR	640	2	0	0	0	0	0	0	642
MAY	727	0	0	0	0	0	0	0	727
JUN	643	0	0	0	0	0	0	0	643
JUL	638	4	0	0	0	0	0	0	642
AUG	697	0	0	0	0	0	0	0	697
SEP	605	2	2	0	0	0	0	0	609
OCT	574	1	0	0	0	0	0	0	575
NOV	600	5	2	0	0	0	0	0	607
DEC	546	0	0	0	0	0	0	0	546
YEAR	7525	51	5	0	0	0	0	0	7581

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.5	0	0.0	0.0	0.0	0.5	1.5	2.0	3.0	4.4	15	0.7





POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE															MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	
2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	
3	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	
6	1	1	1	1	1	1	1	1	1	1	2	1	6	4	4	3	3	3	3	2	2	3	3	3	3	
7	2	2	2	2	2	2	2	2	3	3	3	3	2	4	3	3	3	3	3	3	2	2	2	2	3	
8	3	2	2	1	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	0	0	1	0	
9	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	0	1	2	2	1	1	1	1	
10	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	1	1	1	1	1	1	1	1	0	
12	1	1	0	0	0	0	0	0	0	0	1	1	2	1	1	2	2	2	1	1	1	1	1	1	1	
13	1	1	1	1	1	1	1	1	4	11	8	5	4	14	3	2	2	2	2	2	2	2	2	2	3	
14	2	2	2	1	1	2	1	2	2	***	1	1	1	2	2	2	1	1	1	1	1	0	0	0	1	
15	1	1	1	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	
16	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	16	31	2	1	1	0	0	0	0	2	
18	0	0	0	0	0	0	0	0	0	0	1	1	3	2	1	1	1	1	1	1	1	1	1	1	1	
19	1	1	1	1	1	2	2	2	2	3	***	3	3	3	3	2	4	3	3	2	2	2	2	2	2	
20	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2	
21	-	-	-	-	-	-	-	-	-	-	-	-	2	2	2	2	2	1	1	1	1	1	1	1	1	
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
24	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
25	***	***	***	***	***	***	***	***	***	***	1	3	8	11	4	3	5	3	4	4	3	3	3	2	***	***
26	2	2	2	2	2	2	2	2	2	2	11	3	3	3	3	3	3	3	3	3	2	2	2	2	3	
27	2	2	2	2	2	2	2	2	2	2	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	1	0	1	0	0	0	1	5	3	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	1	1	1	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1	1	1	1	1	1	1	1.2	

PERCENTAGE OF DATA VALID - 86.3

PERCENTAGE OF DATA INVALID - 12.1

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE															MONTH - AUG 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	1	2	8	5	4	20	28	2	2	2	3	2	1	1	1	0	0	4
2	0	0	****	****	****	1	1	1	2	4	4	7	6	5	5	32	12	2	2	1	1	1	1	1	4
3	1	1	1	1	1	1	1	1	0	0	0	0	0	****	0	1	1	1	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	5	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	2	2	1	1	1	1	0	0	0	1
11	0	0	1	0	0	0	0	0	****	****	1	1	1	1	3	3	4	2	3	2	1	1	1	1	1
12	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	3	4	2	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1
15	1	1	1	1	1	1	1	1	1	2	4	3	7	27	7	3	2	2	1	1	1	1	1	1	3
16	1	1	1	1	1	2	1	1	2	1	1	2	3	5	1	1	1	1	1	1	1	1	1	1	1
17	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	1	1	1	0	0	0	0	0	0	0	1	1	1	2	2	1	1	2	2	2	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1
20	1	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	1	2	4	1	0	1	0	0	1
21	0	0	1	1	0	0	0	0	0	0	0	0	1	2	12	22	18	2	1	1	1	1	1	1	3
22	1	1	1	0	0	0	0	1	1	1	2	2	3	9	5	5	2	3	2	1	1	1	1	1	2
23	1	1	1	1	1	2	1	1	2	2	2	7	3	3	3	4	3	3	3	2	3	3	2	2	2
24	3	3	3	2	2	2	1	2	2	3	3	2	2	2	2	2	2	2	1	2	1	1	1	1	2
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	4	4	2	2	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	2	5	18	25	13	8	2	2	1	1	0	0	0	0	3
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	2	3	4	2	4	3	2	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 22086																MONTH - NOV 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1
2	2	1	1	1	1	1	2	2	2	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	2	2	3	3	3	2	2	2	3	2	2	2	2	2	2	2
5	2	2	2	3	3	3	2	2	2	3	3	3	5	6	7	5	3	2	2	2	5	6	3	3	3
6	4	4	4	4	3	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
8	0	0	0	0	0	0	0	0	0	0	0	1	4	17	9	5	1	1	1	1	2	3	2	1	2
9	1	1	1	1	1	0	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	1	1	1	2
10	1	2	2	2	2	2	2	2	3	4	5	5	5	5	5	4	4	3	2	2	1	1	0	0	3
11	0	0	1	1	1	1	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1
12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
14	2	3	7	8	3	4	3	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	2
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
19	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	1	2	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	6	2	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
26	0	0	1	1	1	2	2	3	3	3	1	0	0	0	0	0	1	1	1	1	0	0	1	1	1
27	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	4	1
28	5	5	3	2	2	2	3	4	2	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	2
29	0	0	1	1	1	1	2	3	6	6	6	16	5	17	13	4	3	3	3	3	18	3	3	2	5
30	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	1	1	1	1.2

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 1.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - WC NO 22086																MONTH - DEC 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	0	0	0	0	2	2	2	3	3	3	2	2	1	1	2	2	2	1
2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
4	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	3	3	2	2	2	2	2	1	1	1	1	1	1	2	2	2	1	1	2	2	1	1	1	1
7	1	1	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	1	1	0	0	0	1	1	2
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	2	2	2	2	5	3	1	1	1	1	1	1	1	3	3	3	3	3	3	3	3	4	3	3	2
12	2	2	2	2	2	1	2	2	2	1	1	1	0	0	0	1	1	3	1	5	3	13	15	9	3
13	3	2	2	2	3	2	2	1	1	1	1	1	0	0	0	0	1	1	1	1	1	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	1	0	0	0	0	0	0	0
15	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1
16	1	1	1	1	1	0	0	1	1	5	12	6	8	11	3	2	2	2	3	4	12	14	3	1	4
17	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	1	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
22	0	0	0	0	1	1	1	1	1	6	9	9	16	3	4	2	1	1	1	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	0	1	1	0	1	1	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	1	1	2	1	1	1	1	2	2	2	2	1	1	2	4	6	3	4	2	2	1	1	1	1	2
30	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	3	2	2	2	2	2	2
31	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	18	1.3	3	12
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	15	1.3	5	39
JUL	26	1.2	3	31
AUG	31	1.3	4	32
SEP	30	0.6	3	15
OCT	26	1.2	8	19
NOV	30	1.2	5	18
DEC	31	1.1	4	16
YEAR	207	1.1	8	39

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	422	7	1	0	0	0	0	0	430
FEB		DATA UNAVAILABLE							
MAR		DATA UNAVAILABLE							
APR		DATA UNAVAILABLE							
MAY		DATA UNAVAILABLE							
JUN	360	1	1	1	1	2	0	0	366
JUL	632	4	4	1	0	1	0	0	642
AUG	717	8	3	3	2	3	0	0	736
SEP	703	7	4	0	0	0	0	0	714
OCT	610	10	5	3	0	0	0	0	628
NOV	698	10	1	4	0	0	0	0	713
DEC	722	7	6	1	0	0	0	0	736
YEAR	4864	54	25	13	3	6	0	0	4965

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT						MAX	ARITH MEAN
				50	70	90	95	98	99		
84.4	0	0.0	0.0	0.3	0.8	1.9	2.8	5.1	9.1	39	1.1

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	2	4	3	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1
3	2	2	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	1	1	1	1	2	2	2	1	1	1	2	3	2	2	2	2	3	3	3	3	3	3	2	2	2
5	1	1	1	2	2	3	2	2	3	2	3	2	2	2	2	1	1	1	2	1	1	1	1	1	2
6	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1
7	1	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	0	1	1
9	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
13	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
15	1	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	0	0	0	1	1	1	1	1	1
16	0	0	1	1	0	1	2	2	1	1	2	1	2	1	2	1	2	1	2	3	4	5	4	2	1
17	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	0
19	1	2	1	0	1	1	0	2	1	1	1	1	0	0	0	0	1	1	1	1	2	2	1	1	1
20	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0
22	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	1	1	1	2	2	2	2	2
23	2	2	2	2	2	2	2	2	2	3	2	3	3	2	2	2	2	2	3	3	4	5	6	5	3
24	5	5	5	5	5	4	4	3	4	3	3	5	5	5	4	4	3	3	4	3	4	3	3	3	4
25	4	4	4	4	4	3	3	3	4	3	3	3	2	3	3	3	3	3	2	2	2	1	1	1	3
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	2	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
29	1	1	2	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0
31	1	1	1	1	2	2	2	2	2	2	3	3	3	2	2	2	1	1	1	1	1	1	1	0	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1
2	3	3	3	3	3	3	3	4	3	3	3	3	2	2	2	2	2	2	2	2	1	2	1	1	2
3	2	3	3	3	3	2	2	3	2	2	2	1	1	1	1	0	0	0	1	2	2	4	3	2	2
4	2	3	3	3	4	2	2	2	3	2	2	1	1	2	2	2	2	3	5	5	6	4	2	2	3
5	2	3	2	2	2	3	2	2	3	2	2	2	1	2	1	2	2	2	1	1	1	1	1	1	2
6	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	1	1	1	1	1	0	1	1	1	0	1	2	1	1	1	1	1	1	1	2	2	1	1	2
8	1	2	2	2	2	1	2	2	3	3	2	1	1	1	1	1	1	1	1	1	2	2	1	1	2
9	2	3	3	3	2	2	2	3	3	2	1	1	1	1	2	2	1	1	1	1	1	1	1	1	2
10	1	1	1	1	1	1	1	1	2	1	1	1	1	0	1	1	1	2	2	2	2	2	2	2	1
11	1	1	1	1	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	1
12	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
13	0	1	1	1	1	1	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	1	1	2	3	2	1	1
15	2	2	2	2	1	2	2	2	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2	1
16	1	2	3	2	2	3	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
17	1	2	3	2	2	3	3	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1	1	1	2
18	4	3	2	1	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	0	0	0	0	1
19	0	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	1	1	2	2	1	1	1	1
20	1	0	0	0	0	0	1	1	2	3	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1
21	1	1	1	1	1	2	2	2	2	3	2	1	1	1	1	1	1	1	0	0	1	1	1	1	1
22	1	1	1	1	1	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
23	1	1	1	2	1	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1
24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
25	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	1	1
26	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
27	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
28	1	1	2	1	2	2	3	2	4	2	1	2	2	1	2	2	2	2	2	2	1	1	2	1	2
MEAN	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 96.7

PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

	STATION - WC NO 26029					TRAILER EDNA/FREDERICK ST					KITCHENER					MONTH - MAR 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN					
1	1	1	2	2	1	2	1	1	1	1	1	0	1	1	1	***	***	0	0	0	1	1	1	1	1					
2	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	1	1	1	1	2	1	1	3	1					
3	1	1	1	1	1	1	1	1	2	1	1	2	1	1	0	0	0	0	1	1	0	0	1	0	1					
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0					
5	1	1	2	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	2	2	2	1					
6	3	3	2	2	2	2	2	2	2	***	2	2	1	1	1	1	1	1	0	0	0	0	1	1	1					
7	0	0	0	0	0	2	3	3	4	2	***	0	0	0	0	1	0	0	0	0	0	0	0	1	1					
8	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	2	4	3	2	1	2	1	1	1					
9	0	0	0	0	1	1	0	0	1	2	2	2	3	2	3	3	2	1	1	1	1	3	2	3	1					
10	2	2	4	3	3	1	1	2	3	2	2	1	0	0	0	0	0	1	1	2	1	1	1	2	1					
11	2	1	1	0	0	1	3	2	2	2	1	2	2	2	2	1	2	2	2	1	2	1	2	3	2					
12	3	2	2	3	3	2	1	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	0					
13	0	1	0	0	0	0	0	0	1	3	3	2	3	6	2	4	3	3	1	1	1	1	1	1	2					
14	1	1	1	1	1	1	1	2	1	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1					
15	0	1	1	1	1	1	0	0	1	1	1	0	1	0	0	0	0	1	0	0	0	0	0	0	0					
16	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	2	2	1	1					
17	2	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1					
18	2	2	1	1	1	1	2	2	1	1	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1					
19	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1					
20	0	0	1	1	1	0	1	3	1	***	1	1	0	0	2	3	2	1	0	0	0	1	1	1	1	0				
21	1	1	1	1	0	1	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1					
22	1	1	1	1	1	0	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	1	0	0	1					
23	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0					
24	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0					
25	0	0	0	0	0	0	1	1	1	0	0	4	2	1	0	0	0	0	0	2	4	1	0	0	1					
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0					
27	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1					
28	0	0	0	1	1	1	1	1	0	1	1	1	0	0	1	1	1	1	1	0	0	0	1	1	1					
29	1	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0					
30	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	1	2	0	0	0	1	0					
31	1	1	1	1	2	2	2	4	4	2	1	1	0	5	7	1	0	0	1	1	1	1	1	1	2					
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.					

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. " - " INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	4	6
FEB	26	1.2	3	6
MAR	31	0.8	2	7
APR	30	0.3	1	5
MAY	31	0.4	1	5
JUN	30	0.2	1	3
JUL	31	0.2	1	2
AUG	31	0.2	1	2
SEP	30	0.3	2	4
OCT	30	0.5	2	4
NOV	29	0.3	1	6
DEC	7	0.2	0	2 *
YEAR	337	0.5	4	7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	738	1	0	0	0	0	0	0	739
FEB	649	1	0	0	0	0	0	0	650
MAR	737	2	0	0	0	0	0	0	739
APR	718	0	0	0	0	0	0	0	718
MAY	740	0	0	0	0	0	0	0	740
JUN	718	0	0	0	0	0	0	0	718
JUL	733	0	0	0	0	0	0	0	733
AUG	735	0	0	0	0	0	0	0	735
SEP	720	0	0	0	0	0	0	0	720
OCT	705	0	0	0	0	0	0	0	705
NOV	702	1	0	0	0	0	0	0	703
DEC	168	0	0	0	0	0	0	0	168
YEAR	8063	5	0	0	0	0	0	0	8068

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.1	0	0.0	0.0	0.0	0.2	1.0	1.6	2.3	2.9	7	0.5















MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27013 PS VICTORIA/LEADER NIAGRA FLS

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.2	4	7
FEB	27	1.1	3	7
MAR	31	1.2	3	9
APR	29	0.7	2	4
MAY	31	0.9	3	8
JUN	30	1.0	2	6
JUL	28	0.8	2	5
AUG	31	0.6	2	4
SEP	30	0.7	2	4
OCT	31	0.6	4	5
NOV	30	0.5	2	5
DEC	30	0.5	2	9
YEAR	359	0.8	4	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27013 PS VICTORIA/LEADER NIAGRA FLS

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	718	11	0	0	0	0	0	0	729
FEB	656	3	0	0	0	0	0	0	659
MAR	737	2	0	0	0	0	0	0	739
APR	670	0	0	0	0	0	0	0	670
MAY	728	3	0	0	0	0	0	0	731
JUN	710	3	0	0	0	0	0	0	713
JUL	696	0	0	0	0	0	0	0	696
AUG	724	0	0	0	0	0	0	0	724
SEP	711	0	0	0	0	0	0	0	711
OCT	735	0	0	0	0	0	0	0	735
NOV	717	0	0	0	0	0	0	0	717
DEC	712	3	0	0	0	0	0	0	715
YEAR	8514	25	0	0	0	0	0	0	8539

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT										MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99			
97.5	0	0.0	0.0	0.2	0.7	1.6	2.2	3.0	3.8	9		0.8













MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27027 PS 309 BEATRICE ST WELLAND

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.4	6	11
FEB	28	2.9	5	9
MAR	31	3.2	7	28
APR	28	1.6	4	9
MAY	31	1.6	3	30
JUN	30	1.4	3	14
JUL	31	1.1	2	6
AUG	27	2.0	8	15
SEP	29	1.3	4	9
OCT	25	1.3	4	12
YEAR	291	1.9	8	30

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27027 PS 309 BEATRICE ST WELLAND

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	662	60	1	0	0	0	0	0	723
FEB	600	69	0	0	0	0	0	0	669
MAR	634	94	5	1	1	1	0	0	736
APR	643	14	0	0	0	0	0	0	657
MAY	720	15	0	0	0	1	0	0	736
JUN	694	10	3	0	0	0	0	0	707
JUL	730	1	0	0	0	0	0	0	731
AUG	639	11	13	0	0	0	0	0	663
SEP	694	6	0	0	0	0	0	0	700
OCT	589	11	1	0	0	0	0	0	601
YEAR	6605	291	23	1	1	2	0	0	6923

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.9	0	0.0	0.3	0.9	1.8	3.8	4.9	6.4	7.6	30	1.9













## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	6	9
FEB	28	1.1	3	6
MAR	31	0.7	3	12
APR	26	0.3	1	4
MAY	31	0.8	2	3
JUN	30	0.4	1	5
JUL	30	0.3	1	6
AUG	10	0.5	1	5
SEP	25	0.6	2	12
OCT	31	0.6	2	15
NOV	22	0.7	2	5
DEC	30	1.1	2	4
YEAR	325	0.7	6	15

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	714	22	0	0	0	0	0	0	736
FEB	663	3	0	0	0	0	0	0	666
MAR	732	4	1	0	0	0	0	0	737
APR	642	0	0	0	0	0	0	0	642
MAY	734	0	0	0	0	0	0	0	734
JUN	714	0	0	0	0	0	0	0	714
JUL	718	1	0	0	0	0	0	0	719
AUG	257	0	0	0	0	0	0	0	257
SEP	607	1	1	0	0	0	0	0	609
OCT	734	2	1	0	0	0	0	0	737
NOV	530	0	0	0	0	0	0	0	530
DEC	725	0	0	0	0	0	0	0	725
YEAR	7770	33	3	0	0	0	0	0	7806

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
89.1	0	0.0	0.0	0.0	0.6	1.5	1.9	2.8	3.6	15	0.7















## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27038 ROSEHILL RD/MACDONALD DR. FORT ERIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	21	1.9	6	9
FEB	25	2.2	6	15
MAR	31	1.2	4	10
APR	23	1.2	3	14
MAY	24	1.2	2	8
JUN	29	0.8	2	13
JUL	25	0.9	2	6
AUG	25	1.4	3	7
SEP	23	0.9	2	4
OCT	31	0.7	2	8
NOV	29	1.1	4	6
DEC	29	1.2	3	8
YEAR	315	1.2	6	15

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27038 ROSEHILL RD/MACDONALD DR. FORT ERIE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	496	21	0	0	0	0	0	0	517
FEB	589	19	6	0	0	0	0	0	614
MAR	736	4	0	0	0	0	0	0	740
APR	580	4	1	0	0	0	0	0	585
MAY	600	4	0	0	0	0	0	0	604
JUN	690	0	2	0	0	0	0	0	692
JUL	615	1	0	0	0	0	0	0	616
AUG	617	2	0	0	0	0	0	0	619
SEP	576	0	0	0	0	0	0	0	576
OCT	734	3	0	0	0	0	0	0	737
NOV	700	2	0	0	0	0	0	0	702
DEC	696	9	0	0	0	0	0	0	705
YEAR	7629	69	9	0	0	0	0	0	7707

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
88.0	0	0.0	0.0	0.5	1.0	2.1	2.9	3.9	5.0	15	1.2















MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	5	9
FEB	25	1.8	7	13
MAR	29	1.7	4	10
APR	30	0.7	4	11
MAY	30	0.9	4	8
JUN	28	0.4	3	5
JUL	31	0.8	3	8
AUG	31	0.8	3	6
SEP	28	1.2	4	7
OCT	31	2.1	5	11
NOV	30	2.0	6	13
DEC	30	2.5	5	8
YEAR	354	1.3	7	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	61 TO 65	66 TO 70	71 TO 75	76 TO 80	81 TO 85	86 TO 90	91 TO 95	96 TO 100	TOTAL
JAN	691	30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	721
FEB	571	44	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	617
MAR	688	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	704
APR	666	10	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	677
MAY	711	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	714
JUN	671	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	671
JUL	728	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	732
AUG	716	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	722
SEP	665	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	679
OCT	674	59	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	734
NOV	654	57	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	714
DEC	649	59	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	708
YEAR	8084	302	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8393

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.8	0	0.0	0.0	0.3	1.0	3.5	4.6	6.0	6.8	13	1.3















ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.6	7	10
FEB	28	2.2	4	9
MAR	31	2.0	6	14
APR	30	2.4	6	12
MAY	31	2.5	5	14
JUN	30	0.4	2	9
JUL	30	1.1	4	10
AUG	31	1.2	3	11
SEP	30	1.2	3	8
OCT	31	1.0	6	29
NOV	30	1.4	4	11
DEC	30	1.0	2	5
YEAR	363	1.6	7	29

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	656	72	0	0	0	0	0	0	728
FEB	637	24	0	0	0	0	0	0	661
MAR	717	17	1	0	0	0	0	0	735
APR	605	76	2	0	0	0	0	0	683
MAY	646	73	14	0	0	0	0	0	733
JUN	703	5	0	0	0	0	0	0	708
JUL	708	11	0	0	0	0	0	0	719
AUG	701	22	1	0	0	0	0	0	724
SEP	698	12	0	0	0	0	0	0	710
OCT	713	12	3	0	1	1	0	0	730
NOV	697	17	1	0	0	0	0	0	715
DEC	707	0	0	0	0	0	0	0	707
YEAR	8188	341	22	0	1	1	0	0	8553

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.6	0	0.0	0.1	0.6	1.4	3.3	4.7	6.7	7.9	29	1.6









MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29026 BRAMPTON/WOODWARD HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	22	1.5	6	8
FEB	26	2.2	4	10
MAR	28	1.7	4	8
APR	30	1.0	2	6
MAY	28	0.9	2	9
JUN	8	0.8	1	6
YEAR	142	1.4	6	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29026 BRAMPTON/WOODWARD HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	524	30	0	0	0	0	0	0	0	0	0	554
FEB	609	17	0	0	0	0	0	0	0	0	0	626
MAR	670	8	0	0	0	0	0	0	0	0	0	678
APR	701	2	0	0	0	0	0	0	0	0	0	703
MAY	684	5	0	0	0	0	0	0	0	0	0	689
JUN	200	1	0	0	0	0	0	0	0	0	0	201
YEAR	3388	63	0	0	0	0	0	0	0	0	0	3451

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79.4	0	0.0	0.1	0.6	1.3	2.7	3.6	4.9	5.7	10	1.4







MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29080 CITY HALL HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	1.6	6	8
FEB	26	2.1	4	15
MAR	27	1.8	4	10
APR	30	1.7	4	9
MAY	24	2.1	5	11
JUN	8	0.8	3	6
YEAR	142	1.8	6	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29080 CITY HALL HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	634	22	0	0	0	0	0	0	656
FEB	628	10	1	0	0	0	0	0	639
MAR	679	4	0	0	0	0	0	0	683
APR	684	31	0	0	0	0	0	0	715
MAY	540	46	4	0	0	0	0	0	590
JUN	200	3	0	0	0	0	0	0	203
YEAR	3365	116	5	0	0	0	0	0	3486

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
80.2	0	0.0	0.3	0.9	1.8	3.5	4.5	6.1	7.0	15	1.8













MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.3	9	22
FEB	28	2.1	7	13
MAR	31	1.4	4	8
APR	28	0.8	2	6
MAY	31	0.8	2	11
JUN	30	0.4	1	6
JUL	31	0.7	2	7
AUG	31	0.6	2	7
SEP	30	0.3	1	4
OCT	31	1.3	3	12
NOV	30	1.2	3	11
DEC	31	1.2	3	15
YEAR	363	1.1	9	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	644	61	7	1	1	0	0	0	714
FEB	616	29	1	0	0	0	0	0	646
MAR	713	11	0	0	0	0	0	0	724
APR	660	1	0	0	0	0	0	0	661
MAY	719	5	1	0	0	0	0	0	725
JUN	702	1	0	0	0	0	0	0	703
JUL	723	2	0	0	0	0	0	0	725
AUG	713	4	0	0	0	0	0	0	717
SEP	703	0	0	0	0	0	0	0	703
OCT	714	16	2	0	0	0	0	0	732
NOV	702	8	1	0	0	0	0	0	711
DEC	698	18	2	0	0	0	0	0	718
YEAR	8307	156	14	1	1	0	0	0	8479

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.8	0	0.0	0.0	0.2	0.8	2.3	3.4	5.0	6.5	22	1.1















MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	1.9	4	15
FEB	26	2.0	4	13
MAR	31	1.2	4	7
APR	29	0.5	1	4
MAY	31	1.2	4	6
JUN	30	0.4	2	5
JUL	31	0.1	1	10
AUG	30	0.2	1	3
SEP	30	0.3	2	5
OCT	31	0.8	3	9
NOV	27	0.8	2	6
DEC	30	1.3	3	10
YEAR	355	0.9	4	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	689	12	2	0	0	0	0	0	703
FEB	628	12	4	0	0	0	0	0	644
MAR	725	11	0	0	0	0	0	0	736
APR	674	0	0	0	0	0	0	0	674
MAY	730	3	0	0	0	0	0	0	733
JUN	710	0	0	0	0	0	0	0	710
JUL	730	2	0	0	0	0	0	0	732
AUG	719	0	0	0	0	0	0	0	719
SEP	704	0	0	0	0	0	0	0	704
OCT	725	5	0	0	0	0	0	0	730
NOV	671	1	0	0	0	0	0	0	672
DEC	706	14	0	0	0	0	0	0	720
YEAR	8411	60	6	0	0	0	0	0	8477

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT									ARITH MEAN
		10	30	50	70	90	95	98	99	MAX	
96.8	0	0.0	0.0	0.0	0.7	1.9	2.8	3.9	4.8	15	0.9











MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.3	7	12
FEB	28	1.2	6	13
MAR	31	0.8	3	14
APR	29	1.1	5	6
MAY	31	1.2	3	10
JUN	30	0.7	3	4
JUL	30	0.9	2	7
AUG	30	0.8	3	9
SEP	30	0.5	2	5
OCT	31	1.0	3	9
NOV	30	1.1	4	7
DEC	30	1.2	4	20
YEAR	360	1.0	7	20

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33002 PHARMACY AND 401, SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	681	26	1	0	0	0	0	0	708
FEB	643	19	2	0	0	0	0	0	664
MAR	734	1	1	0	0	0	0	0	736
APR	618	19	0	0	0	0	0	0	637
MAY	730	3	0	0	0	0	0	0	733
JUN	713	0	0	0	0	0	0	0	713
JUL	714	1	0	0	0	0	0	0	715
AUG	697	7	0	0	0	0	0	0	704
SEP	706	0	0	0	0	0	0	0	706
OCT	732	3	0	0	0	0	0	0	735
NOV	713	3	0	0	0	0	0	0	716
DEC	713	5	1	2	0	0	0	0	721
YEAR	8394	87	5	2	0	0	0	0	8488

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.9	0	0.0	0.0	0.3	0.8	1.9	2.7	3.9	5.2	20	1.0













MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.2	7	18
FEB	26	1.2	5	12
MAR	31	0.6	3	6
APR	28	0.2	1	4
MAY	31	0.6	2	8
JUN	26	0.4	1	3
JUL	29	0.5	1	5
AUG	30	0.2	2	10
SEP	27	0.2	1	3
OCT	31	1.0	3	11
NOV	30	0.5	2	5
DEC	30	0.5	2	7
YEAR	349	0.6	7	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	683	16	4	3	0	0	0	0	706
FEB	623	11	3	0	0	0	0	0	637
MAR	726	3	0	0	0	0	0	0	729
APR	638	0	0	0	0	0	0	0	638
MAY	729	2	0	0	0	0	0	0	731
JUN	667	0	0	0	0	0	0	0	667
JUL	703	0	0	0	0	0	0	0	703
AUG	704	2	0	0	0	0	0	0	706
SEP	640	0	0	0	0	0	0	0	640
OCT	720	0	1	0	0	0	0	0	721
NOV	711	0	0	0	0	0	0	0	711
DEC	719	3	0	0	0	0	0	0	722
YEAR	8263	37	8	3	0	0	0	0	8311

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.9	0	0.0	0.0	0.0	0.4	1.2	1.8	2.9	4.0	18	0.6













ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	11	1.2	3	6
FEB	22	1.9	6	18
MAR	28	1.2	3	6
APR	29	0.7	2	8
MAY	31	1.5	3	6
JUN	29	1.5	3	5
JUL	31	1.0	2	7
AUG	25	1.0	2	4
SEP	26	0.7	2	5
OCT	28	0.7	1	5
NOV	24	1.3	3	7
DEC	31	1.7	5	9
YEAR	315	1.2	6	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33019 MET BRANCH SCARBOROUGH BLUFFS, SCARBORO

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	290	3	0	0	0	0	0	0	293
FEB	542	22	3	2	0	0	0	0	569
MAR	678	1	0	0	0	0	0	0	679
APR	697	1	0	0	0	0	0	0	698
MAY	733	3	0	0	0	0	0	0	736
JUN	686	0	0	0	0	0	0	0	686
JUL	732	1	0	0	0	0	0	0	733
AUG	603	0	0	0	0	0	0	0	603
SEP	638	0	0	0	0	0	0	0	638
OCT	668	0	0	0	0	0	0	0	668
NOV	583	4	0	0	0	0	0	0	587
DEC	719	22	0	0	0	0	0	0	741
YEAR	7569	57	3	2	0	0	0	0	7631

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
87.1	0	0.0	0.1	0.5	1.0	2.0	2.8	3.8	4.8	18	1.2





MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL	5	0.7	1	3
AUG	29	0.8	2	7
SEP	29	0.6	2	8
OCT	28	0.5	4	8
NOV	29	0.9	3	14
DEC	30	1.1	3	13
YEAR	150	0.8	4	14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE											
FEB	DATA UNAVAILABLE											
MAR	DATA UNAVAILABLE											
APR	DATA UNAVAILABLE											
MAY	DATA UNAVAILABLE											
JUN	DATA UNAVAILABLE											
JUL	115	0	0	0	0	0	0	0	0	0	0	115
AUG	663	5	0	0	0	0	0	0	0	0	0	668
SEP	677	2	0	0	0	0	0	0	0	0	0	679
OCT	665	6	0	0	0	0	0	0	0	0	0	671
NOV	688	8	1	0	0	0	0	0	0	0	0	697
DEC	701	8	3	0	0	0	0	0	0	0	0	712
YEAR	3509	29	4	0	0	0	0	0	0	0	0	3542

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
80.2	0	0.0	0.0	0.0	0.6	1.7	2.6	3.9	4.9	14	0.8



















ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.2	3	8
FEB	28	1.4	4	7
MAR	24	1.6	6	19
APR	28	0.7	2	5
MAY	27	0.9	3	21
JUN	28	0.5	2	8
JUL	31	0.7	2	13
AUG	31	0.9	3	16
SEP	28	0.4	1	20
OCT	29	0.4	2	10
NOV	29	0.5	2	8
DEC	30	0.6	2	5
YEAR	344	0.8	6	21

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	738	2	0	0	0	0	0	0	740
FEB	662	8	0	0	0	0	0	0	670
MAR	546	28	4	1	0	0	0	0	579
APR	686	0	0	0	0	0	0	0	686
MAY	636	7	1	0	1	0	0	0	645
JUN	670	3	0	0	0	0	0	0	673
JUL	719	10	1	0	0	0	0	0	730
AUG	700	9	2	1	0	0	0	0	712
SEP	646	2	1	1	0	0	0	0	650
OCT	669	6	0	0	0	0	0	0	675
NOV	693	3	0	0	0	0	0	0	696
DEC	714	0	0	0	0	0	0	0	714
YEAR	8079	78	9	3	1	0	0	0	8170

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	80	95	98	99	MAX	ARITH MEAN
93.3	0	0.0	0.0	0.0	0.6	1.7	2.5	3.8	5.3	21	0.8















## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	0.7	2	5
FEB	27	0.8	3	7
MAR	31	1.3	3	17
APR	26	0.3	2	4
MAY	29	0.7	2	7
JUN	25	0.9	3	11
JUL	30	1.6	8	25
AUG	31	1.0	2	9
SEP	28	0.6	2	16
OCT	30	1.1	4	18
NOV	30	1.1	3	9
DEC	31	1.3	3	7
YEAR	346	1.0	8	25

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35005 QUEENSWAY HOSPITAL ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	675	0	0	0	0	0	0	0	675
FEB	649	6	0	0	0	0	0	0	655
MAR	726	9	1	1	0	0	0	0	737
APR	657	0	0	0	0	0	0	0	657
MAY	694	3	0	0	0	0	0	0	697
JUN	612	7	1	0	0	0	0	0	620
JUL	689	19	15	3	1	0	0	0	727
AUG	732	10	0	0	0	0	0	0	742
SEP	683	2	0	1	0	0	0	0	686
OCT	674	17	0	1	0	0	0	0	692
NOV	707	9	0	0	0	0	0	0	716
DEC	732	6	0	0	0	0	0	0	738
YEAR	8230	88	17	5	1	0	0	0	8342

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.2	0	0.0	0.0	0.2	0.7	1.9	2.8	4.4	5.7	25	1.0











MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.3	5	11
FEB	28	1.5	5	11
MAR	31	0.8	3	10
APR	30	0.7	2	6
MAY	31	0.6	3	6
JUN	29	0.3	1	4
JUL	30	0.5	3	8
AUG	25	0.3	1	12
SEP	30	0.3	1	2
OCT	28	0.6	2	6
NOV	29	0.7	3	11
DEC	27	0.6	2	7
YEAR	348	0.7	5	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	707	14	1	0	0	0	0	0	722
FEB	645	12	2	0	0	0	0	0	659
MAR	719	4	0	0	0	0	0	0	723
APR	676	1	0	0	0	0	0	0	677
MAY	718	2	0	0	0	0	0	0	720
JUN	695	0	0	0	0	0	0	0	695
JUL	713	4	0	0	0	0	0	0	717
AUG	627	1	1	0	0	0	0	0	629
SEP	701	0	0	0	0	0	0	0	701
OCT	684	2	0	0	0	0	0	0	686
NOV	692	4	1	0	0	0	0	0	697
DEC	668	5	0	0	0	0	0	0	673
YEAR	8245	49	5	0	0	0	0	0	8299

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.7	0	0.0	0.0	0.0	0.5	1.4	2.0	3.1	4.2	12	0.7











MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.5	7	9
FEB	22	1.6	4	8
MAR	29	1.3	4	11
APR	30	0.8	2	10
MAY	30	1.6	6	39
JUN	23	1.3	3	11
JUL	31	1.5	4	14
AUG	31	1.2	4	22
SEP	30	1.0	4	12
OCT	31	1.3	3	14
NOV	30	1.6	4	15
DEC	31	1.6	4	16
YEAR	348	1.4	7	39

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35050 MOE LAB RESOURCES RD ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	689	28	0	0	0	0	0	0	717
FEB	541	8	0	0	0	0	0	0	549
MAR	693	7	1	0	0	0	0	0	701
APR	712	4	0	0	0	0	0	0	716
MAY	696	6	3	1	0	2	0	0	708
JUN	582	2	1	0	0	0	0	0	585
JUL	699	21	4	0	0	0	0	0	724
AUG	702	17	6	3	1	0	0	0	729
SEP	702	13	3	0	0	0	0	0	718
OCT	731	9	2	0	0	0	0	0	742
NOV	699	15	3	0	0	0	0	0	717
DEC	727	12	1	1	0	0	0	0	741
YEAR	8173	142	24	5	1	2	0	0	8347

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.3	0	0.0	0.1	0.6	1.1	2.5	3.5	5.1	7.2	39	1.4

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44007 2037 PINE ST BURLINGTON

MONTH - JAN 78

STATION - C NO 44007	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	2	1	1	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1
13	1	1	1	1	1	2	2	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	4	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1
15	1	1	1	1	1	2	1	1	1	1	1	1	1	1	0	1	1	1	0	1	1	1	1	1	1
16	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	2	2	2	2	3	3	3	3	3	2
17	3	3	4	4	3	2	2	2	2	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	2
18	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	1
19	2	2	3	4	4	2	1	3	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
20	2	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0	0	1	1	0	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1
22	1	1	1	1	0	1	1	1	1	2	3	3	3	3	3	2	3	2	2	2	2	3	3	3	2
23	2	2	2	3	3	3	3	2	3	2	3	3	3	3	3	3	3	3	4	5	5	5	5	5	5
24	5	5	5	6	6	6	6	6	6	6	6	6	6	6	6	5	4	4	3	3	5	5	5	5	5
25	5	4	3	3	3	3	3	4	4	4	4	3	4	4	3	2	3	2	2	1	2	2	1	1	3
26	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2
30	2	2	2	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	2	2	2	2	2	2	2	3	2	3	2	2	2	2	2	1	1	1	1	1	1	1	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 86.4

PERCENTAGE OF DATA INVALID - 13.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44007 2037 PINE ST BURLINGTON

MONTH - FEB 78

STATION - C NO 44007	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	2	2	2	2	2	2	2	2	5	2	2	4	3	2	2	2	2	2	2	2	2	2	2	2	2
3	2	2	1	2	2	2	2	2	2	1	2	2	2	1	2	1	1	1	2	2	3	3	2	2	2
4	3	4	3	2	2	2	2	2	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2
5	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2
6	2	2	2	2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	1
9	1	1	1	1	1	1	1	3	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1
13	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	0	0	1	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	2	2	1	1	2	2	3	3	2	2	2	2	2	3	4	4	4	4	2
16	3	3	4	4	3	3	3	4	3	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2
18	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
20	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2
21	2	2	1	1	2	2	1	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	1	1
22	1	1	2	3	2	1	1	2	1	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1
24	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	1	1	2	2	1	2	1	1	2	2	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1
28	0	0	0	0	0	0	0	0	0	0	4	4	4	4	4	4	4	4	4	4	4	4	4	4	2
MEAN	1	1	1	1	1	1	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 44007 2037 PINE ST BURLINGTON													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	2	8	2	1	0	1	***	0	0	1	1	1	1	1	1	0	0	0	1
3	1	1	1	1	1	1	2	8	2	2	2	2	1	1	1	1	1	1	0	0	1	1	1	0	1
4	1	0	1	0	0	0	2	10	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	1	1	1	1	0	2	2	2	1	1	0	1	0	1	0	1	1	2	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1
7	1	1	2	1	1	1	3	9	5	3	3	3	3	2	3	2	3	2	2	2	2	2	2	2	3
8	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	3	2	2	3	3	2	1	1	1	1	1	1	0	0	0	0	0	1
10	0	0	0	0	0	0	1	2	4	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	1
11	0	0	0	0	1	1	3	8	5	3	3	3	3	4	3	3	3	2	1	1	1	1	1	1	2
12	0	0	1	1	1	1	1	1	0	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1
13	0	0	0	0	0	0	0	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	2	2	1	1	1	1	1	0	1	1	1	1	1	0	1	1	1	0	1
15	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0
16	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
18	0	0	0	1	0	1	2	3	5	3	2	***	1	2	1	1	2	2	2	1	1	0	1	0	1
19	1	0	0	0	0	0	2	6	5	2	2	2	2	1	1	1	1	1	1	0	0	0	1	1	1
20	1	1	1	1	1	1	1	2	3	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
21														- DATA INVALID -											
22														- DATA INVALID -											
23																									
24	1	1	0	0	0	1	1	2	3	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	***
25	1	1	1	1	1	1	2	7	4	2	2	2	2	2	2	2	3	3	2	1	1	1	1	1	2
26	1	1	1	1	1	1	3	4	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
27	2	1	1	1	1	1	1	2	2	3	2	2	3	2	3	3	4	3	3	3	2	2	1	2	2
28	1	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	2
29	1	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2	2	2	2	1	1	1	1	1	2
30	1	0	1	1	1	0	1	2	1	2	1	***	***	2	2	2	2	2	1	2	1	1	1	1	1
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1.2

PERCENTAGE OF DATA VALID - 89.5

PERCENTAGE OF DATA INVALID - 10.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION																	
STATION - C NO 44007 2037 PINE ST BURLINGTON														MONTH - JUN 78																	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN						
1	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0						
2	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0						
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
5	0	0	1	1	1	2	3	1	1	***	***	1	1	1	1	1	1	1	1	0	0	0	0	***	0						
6	0	0	0	0	0	0	2	3	3	1	1	1	1	1	1	1	1	1	1	2	1	0	***	1							
7	*****														0	1	1	1	1	1	1	1	1	1	1	1	1	1	***		
8	2	2	2	1	1	2	1	2	2	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2						
9	1	1	1	1	1	1	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1						
10	0	0	0	0	0	0	0	0	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1						
11	1	2	2	2	2	2	3	4	6	4	4	3	3	2	3	3	3	3	3	3	3	3	2	2	3						
12	2	3	3	3	3	3	3	4	5	4	3	3	3	3	3	2	2	2	1	1	1	1	1	0	2						
13	0	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1						
14	0	0	0	0	0	0	0	2	5	2	2	1	0	0	1	0	0	0	0	0	0	0	0	0	1						
15	0	0	0	0	0	0	0	1	3	2	1	1	1	1	2	2	1	1	1	0	0	1	1	0	1						
16	1	1	0	0	0	0	0	1	1	2	1	2	2	2	2	2	1	1	1	1	0	0	1	1	1						
17	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	1	1						
18	1	1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2						
19	1	1	1	0	0	0	0	0	0	2	1	1	1	1	1	1	1	2	1	1	0	0	0	0	1						
20	0	0	0	0	0	0	0	2	2	3	2	***	2	2	2	2	2	2	2	2	2	1	1	1	1						
21	1	1	1	1	1	1	1	2	1	1	2	2	4	2	2	2	2	1	1	1	1	1	2	1	1						
22	1	1	1	0	0	0	0	1	1	2	1	0	1	1	1	0	0	1	1	1	1	1	0	0	1						
23	1	1	1	1	1	1	0	1	3	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	1						
24	0	0	0	0	0	0	0	1	5	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0						
25	0	1	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1						
26	1	1	1	1	1	1	1	1	1	1	1	*****											0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	1	1	2	2	2	2	2	1	1	2	2	1	1	2	1	1	1	1						
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1						
29	0	0	0	1	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
30	1	1	1	1	1	0	0	1	2	3	3	1	1	1	1	2	4	1	1	1	1	1	0	0	1						
MEAN	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0						

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44007		2037 PINE ST BURLINGTON												MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	2	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 59.2

PERCENTAGE OF DATA INVALID - 40.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1 \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2 -.- INDICATES DATA IS UNAVAILABLE

3 \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 44007		2037 PINE ST BURLINGTON												MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
11																									
12	0	0	1	1	1	1	0	0	1	1	0	1	1	1	1	1	1	1	1	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
15																									
16																									
17																									
18	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	2	2	1	1
23	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	1	1	0	0	0	0	0	0
26	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	0
28	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
30	2	1	1	1	1	1	1	2	2	2	2	0	0	1	1	1	2	2	1	1	1	1	1	1	1
31	1	1	1	1	1	0	1	1	2	1	2	1	1	1	1	0	0	0	0	1	1	0	1	1	1
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 71.8

PERCENTAGE OF DATA INVALID - 15.3

PERCENTAGE OF DATA UNAVAILABLE - 12.9

NOTES 1 \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2 -.- INDICATES DATA IS UNAVAILABLE

3 \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44007 2037 PINE ST BURLINGTON

MONTH - NOV 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	0	0	0	1	1	1	1	2	2	2	2	2	1	1	2	2	3	3	3	1
2	3	2	2	1	1	1	1	1	2	3	3	2	2	1	1	1	1	1	2	1	2	1	1	1	2
3	1	1	1	1	0	0	0	0	2	2	1	1	1	1	2	1	1	1	2	1	2	2	2	2	1
4	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	1	1	2	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	2	2	1	1	2	2	3	4	2	2	3	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
7	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	2	4	3	3	2	2	2	2	2	1	1	1	2	2	2	1	1	2
9	1	0	1	1	0	0	0	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
10	0	1	1	1	1	1	1	2	2	2	2	2	2	****	1	1	1	1	1	1	1	2	1	1	1
11	1	1	1	1	2	2	2	2	3	2	2	2	2	2	2	1	1	1	1	2	1	1	1	1	2
12	1	1	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	1	1	2	2	1	1	1
13	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	1	1	1	2	3	4	4	3	2
14	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
16	2	2	2	2	1	1	1	2	3	2	3	3	3	3	3	3	2	2	2	3	3	3	3	3	2
17	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	2	2	2	2	2	2	1
21	1	1	1	1	1	1	1	1	2	1	2	2	2	1	2	2	1	1	2	1	1	0	0	0	1
22	1	1	1	1	1	1	0	0	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1
23	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	1	1	1	1	1	1	1	1	1
24	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25																									*****
26																									
27																									
28																									
29																									
30																									
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	1	1	1	2	2	2	1	1	1.3

PERCENTAGE OF DATA VALID - 77.9

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 21.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44007 2037 PINE ST BURLINGTON

MONTH - DEC 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	*****
8	1	1	1	1	1	2	2	2	2	2	****	0	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	2	3	3	2	2	2	2	2	1	1	1	2	3	3	3	2	2	2
12	1	1	1	1	2	2	1	1	1	1	2	2	2	2	2	1	1	1	1	2	3	2	1	2	2
13	2	2	2	2	2	1	1	1	1	1	2	2	2	2	1	1	0	0	0	0	0	1	1	1	1
14	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	2	3	3	3	3	4	3	4	3	3	3	4	6	2	1	2	2
17	1	1	1	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2
18	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1
19	1	1	1	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
20	2	2	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	2	1
21	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2
22	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
23	1	1	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	2	2	2	1	1
24	1	1	0	0	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1
25	1	2	3	2	2	1	2	2	2	2	2	2	1	1	1	2	2	1	1	0	0	0	0	0	1
26	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
27	0	0	0	0	0	0	1	1	1	1	0	****	2	2	2	1	1	1	1	2	2	2	2	2	1
28	2	2	2	2	1	1	1	2	3	2	3	2	2	2	2	2	2	2	2	3	3	3	2	3	2
29	2	2	2	1	1	2	1	2	2	2	2	2	2	2	2	1	1	2	2	2	3	1	1	1	2
30	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
31	2	2	2	1	1	1	1	1	2	2	2	2	1	1	1	2	2	2	2	2	2	3	3	3	2
MEAN	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 81.9

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 17.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44007 2037 PINE ST BURLINGTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	1.7	5	7
FEB	28	1.4	2	5
MAR	21	1.6	3	7
APR	27	1.0	2	7
MAY	27	1.2	3	10
JUN	28	1.0	3	6
JUL	23	0.9	2	5
AUG	27	0.5	2	5
SEP	17	0.2	1	2
OCT	21	0.5	1	2
NOV	23	1.3	2	4
DEC	25	1.4	2	6
YEAR	293	1.1	5	10

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44007 2037 PINE ST BURLINGTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	632	11	0	0	0	0	0	0	643
FEB	668	0	0	0	0	0	0	0	668
MAR	520	2	0	0	0	0	0	0	522
APR	649	6	0	0	0	0	0	0	655
MAY	659	7	0	0	0	0	0	0	666
JUN	689	1	0	0	0	0	0	0	690
JUL	593	0	0	0	0	0	0	0	593
AUG	681	0	0	0	0	0	0	0	681
SEP	426	0	0	0	0	0	0	0	426
OCT	534	0	0	0	0	0	0	0	534
NOV	561	0	0	0	0	0	0	0	561
DEC	608	1	0	0	0	0	0	0	609
YEAR	7220	28	0	0	0	0	0	0	7248

## FREQUENCY DISTRIBUTION BY PERCENTILES

 PERCENT  
OF DATA  
VALID

MIN

10

30

 CONCENTRATIONS  
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

 ARITH  
MEAN

82.7

0

0.0

0.0

0.4

0.9

1.9

2.4

3.0

3.8

10

1.1

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	2	3	2	2	1	1	1	1	1	2
3	1	1	2	2	2	2	2	7	4	2	2	2	1	1	1	1	1	1	0	0	0	1	1	1	2
4	1	1	1	1	1	1	1	2	2	3	3	***	4	4	3	3	2	2	2	2	2	2	2	2	2
5	2	1	1	1	1	1	1	1	2	3	3	2	1	1	2	2	1	1	1	1	1	1	1	1	1
6	2	1	1	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	2	3	2	2	3	3	2	1	1	0	1	1	0	0	0	1	2	2	2	3	2	2
8	3	3	3	2	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	1	1	1	1	1	1	1	1	1	***	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	0	0	0	0	0	1	1	2	3	1	1	***	2	2	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	2	4	2	2	1	1	0	1	1	1	1	2	5	4	2	2	1	0	1	2
14	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	2	2	2	3	2	2	1	2	2	1
18	3	4	2	2	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	***	***	1	1	1	1	1	1	2	3	5	2	1
20	2	2	2	1	1	1	1	1	1	1	1	4	6	3	2	2	1	1	1	1	1	1	0	1	2
21	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	5	5	2
23	5	4	4	4	3	3	4	5	4	4	3	5	***	2	3	4	4	4	4	5	8	8	7	9	5
24	8	13	13	10	8	9	12	11	11	11	9	10	8	7	8	8	6	6	3	3	4	6	8	7	8
25	6	6	5	4	3	3	3	3	3	5	5	***	***	3	3	2	2	2	2	1	1	1	1	1	3
26	1	1	2	4	4	3	1	0	1	1	1	1	1	1	1	0	0	0	1	1	1	3	2	1	1
27	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	1	1	1	1	1	0	0	1	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
29	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	0	1	***	0	0	0	0	0	0	0	0	0	0	1	0
31	1	1	1	1	1	1	1	2	2	2	2	2	2	3	3	2	2	1	1	1	0	0	0	0	1
MEAN	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.3

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - FEB 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	1	1	0
2	1	1	1	1	1	2	2	2	3	3	3	4	4	3	***	2	2	2	1	1	1	1	1	1	2
3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	2	2	2	1
4	2	3	3	4	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
5	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	5	6	2	1	1	1	1	1	2
6	1	2	1	0	0	0	0	0	0	0	0	0	***	0	0	1	0	0	0	0	0	0	0	0	0
7	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	0	0	0	0	0	1	1	1	1	1	1	1	***	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	2	2	1	1	1	1	0	0	***	1	2	1	1	1	1	1	1	0	0	0	1
10	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	3	2	***	1	1	1	1	1	2	1	1	1	0	0	1
14	1	1	1	1	1	1	0	1	1	1	2	3	0	0	0	0	0	0	0	0	0	1	1	1	1
15	0	0	1	1	1	0	1	1	2	2	3	4	4	3	3	4	3	3	3	3	4	4	7	7	3
16	6	6	6	6	7	6	5	4	3	3	3	3	3	3	3	4	3	3	3	3	4	3	3	3	4
17	3	2	2	3	3	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	2
18	2	2	3	3	3	4	3	4	3	3	3	3	3	3	2	2	2	2	2	2	1	1	1	1	2
19	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	2	2	4	6	***	5	5	4	3	2	1	1	1	2	2	1	2
21	2	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	0	1
22	1	1	1	3	3	2	1	1	1	1	1	***	3	1	1	1	1	1	1	1	1	0	0	0	1
23	1	0	1	1	1	1	1	2	2	2	4	3	2	2	3	3	3	2	2	2	3	2	2	1	2
24	1	2	3	3	2	2	2	2	1	1	2	2	1	1	1	1	1	1	2	2	1	1	1	1	2
25	1	1	1	1	1	1	1	1	1	1	2	2	1	2	3	1	1	1	1	1	1	1	0	0	1
26	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
28	0	0	0	0	0	1	1	1	1	2	4	3	2	***	4	5	7	8	6	6	4	5	5	4	3
MEAN	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1.4

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 44010 1298 REBECCA ST OAKVILLE														MONTH - MAR 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	1	1	1	1	3
2	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	1	2	1	1	1	1	2	...	0	0	0	0	0	0	1	1	1	0	0	0	1
4	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
6	1	1	2	1	2	2	2	2	2	2	2	2	2	2	3	2	2	1	1	1	1	0	0	0	2
7	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	2	3	2	1	1	1	1	0	0	0	0	0	0	0	0	0
9	0	0	0	1	1	1	1	2	3	4	3	3	5	10	4	2	1	1	1	4	2	2	2	2	2
10	2	1	1	1	1	1	1	2	2	2	3	2	3	2	2	2	2	2	3	2	2	1	1	1	2
11	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	3	2	2	2	2	2	2	2	2
12	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2
13	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	2	2	2	2	2	2	4	3	3	3	4	1	2	2	2	2	2	2	2	2	2
15	2	2	1	1	1	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2	1	1	1	2
16	0	0	0	1	1	1	1	1	4	3	1	0	0	0	0	0	0	0	1	1	1	1	1	1	0
17	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0
18	1	1	2	2	2	1	1	1	0	0	0	0	2	1	2	3	2	2	1	1	2	2	3	2	1
19	3	4	3	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	1	3	1	1	1	1	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
21	1	2	2	2	2	2	3	3	2	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1
22	2	4	3	3	2	1	1	1	1	0	0	0	...	1	1	1	2	1	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	0	
24	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	3	3	1	1	1	1	1	
25	2	2	1	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
26	1	1	1	1	...	...	...	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	1	1	1	1	1	2	3	2	2	3	2	2	1	0	0	0	0	0	1	1	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	
31	0	0	1	0	1	1	1	1	1	2	2	1	...	1	2	1	1	0	0	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	

PERCENTAGE OF DATA VALID - 99.2 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 44010 1298 REBECCA ST OAKVILLE															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	2	2	2	2	3	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
2	1	1	1	1	2	1	1	1	1	1	1	0	1	2	3	1	1	1	1	1	1	2	2	3	1
3	3	3	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
4	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	2	1	1	1	1	2	1	1	1
9	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1
10	1	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0	2	6	8	8	10	6	4	1	1	2
13	2	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0
16	0	0	0	0	0	0	0	0	0	0	1	0	4	2	1	0	0	0	0	1	1	1	0	0	0
17	1	0	0	1	1	1	1	1	2	9	3	1	...	1	1	1	1	1	1	1	1	1	1	1	1
18	0	0	1	2	1	2	1	0	0	0	0	...	1	1	1	1	1	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	...	1	1	1	1	1	1	1	1	1	1	1	1	1
20	1	1	1	2	3	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	2	1	1
23	2	2	1	1	1	1	1	2	4	3	3	2	2	2	1	1	1	1	1	2	2	1	1	1	2
24	1	1	0	0	1	1	1	0	0	1	1	1	0	0	0	1	5	1	1	1	1	0	0	0	1
25	0	0	1	1	1	1	1	2	2	0	0	0	0	0	1	0	0	0	0	0	0	1	1	3	1
26	2	1	1	2	2	3	3	1	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1
27	1	0	0	0	0	0	0	1	2	2	2	1	1	0	0	1	1	1	1	1	1	1	1	2	1
28	2	2	2	1	1	1	1	1	1	1	1	...	0	0	0	0	0	0	1	1	1	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.3 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. ... INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	8	13
FEB	28	1.4	4	8
MAR	31	1.1	3	10
APR	30	0.7	2	10
MAY	30	0.8	2	8
JUN	30	0.7	2	5
JUL	21	0.7	4	10
AUG	31	0.6	2	6
SEP	30	0.5	1	5
OCT	26	1.0	3	9
NOV	30	1.0	3	9
DEC	31	1.4	4	6
YEAR	349	0.9	8	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	705	23	6	0	0	0	0	0	734
FEB	650	14	0	0	0	0	0	0	664
MAR	737	1	0	0	0	0	0	0	738
APR	709	6	0	0	0	0	0	0	715
MAY	720	4	0	0	0	0	0	0	724
JUN	714	0	0	0	0	0	0	0	714
JUL	556	5	0	0	0	0	0	0	561
AUG	738	1	0	0	0	0	0	0	739
SEP	717	0	0	0	0	0	0	0	717
OCT	644	1	0	0	0	0	0	0	645
NOV	708	5	0	0	0	0	0	0	713
DEC	730	4	0	0	0	0	0	0	734
YEAR	8328	64	6	0	0	0	0	0	8398

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.9	0	0.0	0.0	0.2	0.7	1.8	2.6	3.7	4.7	13	0.9













MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	1.5	7	12
FEB	25	1.7	5	11
MAR	24	1.1	2	7
APR	22	0.8	2	10
MAY	29	1.4	3	8
JUN	26	1.1	3	7
JUL	25	1.5	3	11
AUG	26	1.1	3	13
SEP	30	0.7	2	7
OCT	30	1.1	3	6
NOV	29	0.8	2	10
DEC	31	0.5	2	4
YEAR	324	1.1	7	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46100 PUBLIC SCHOOL GREEN GLADE RD. MISSISSAUGA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	612	33	5	0	0	0	0	0	650
FEB	595	12	1	0	0	0	0	0	608
MAR	605	4	0	0	0	0	0	0	609
APR	574	2	0	0	0	0	0	0	576
MAY	694	13	0	0	0	0	0	0	707
JUN	628	3	0	0	0	0	0	0	631
JUL	607	9	1	0	0	0	0	0	617
AUG	637	10	2	0	0	0	0	0	649
SEP	716	1	0	0	0	0	0	0	717
OCT	730	1	0	0	0	0	0	0	731
NOV	698	5	0	0	0	0	0	0	703
DEC	724	0	0	0	0	0	0	0	724
YEAR	7820	93	9	0	0	0	0	0	7922

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.4	0	0.0	0.0	0.3	0.9	2.1	3.0	4.2	5.6	13	1.1











MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.0	6	8
FEB	28	0.7	3	7
MAR	28	1.2	3	10
APR	30	0.7	2	17
MAY	26	0.6	2	8
JUN	30	0.6	2	12
JUL	31	0.3	1	14
AUG	31	0.5	3	13
SEP	29	0.4	2	22
OCT	14	0.5	1	2
NOV	12	1.0	2	8
DEC	26	0.8	2	14
YEAR	316	0.8	6	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	702	31	0	0	0	0	0	0	733
FEB	661	6	0	0	0	0	0	0	667
MAR	660	12	0	0	0	0	0	0	672
APR	706	5	1	1	0	0	0	0	713
MAY	632	2	0	0	0	0	0	0	634
JUN	706	3	1	0	0	0	0	0	710
JUL	735	2	1	0	0	0	0	0	738
AUG	722	12	3	0	0	0	0	0	737
SEP	696	4	0	1	1	0	0	0	702
OCT	342	0	0	0	0	0	0	0	342
NOV	303	1	0	0	0	0	0	0	304
DEC	626	1	1	0	0	0	0	0	628
YEAR	7491	79	7	2	1	0	0	0	7580

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.5	0	0.0	0.0	0.0	0.5	1.7	2.7	4.0	5.4	22	0.8





POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 47041 FED MANPOWER BLDG 48 OWEN ST. BARRIE															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	2	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	5	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
8	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	1
9	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	2	2	2	3	4	3	2	2	1	1	1	1	1	1	1
12	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1	1	1	1	1	1
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1
14	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0
17	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27	0	0	0	0	0	0	0	1	1	2	2	2	2	3	3	3	3	3	3	2	2	1	1	1	1
28	2	2	2	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
29	2	2	1	1	1	1	1	2	2	2	2	2	3	3	3	4	4	5	4	4	3	2	2	2	2
30	2	1	2	2	1	1	2	2	3	3	3	4	4	5	5	7	6	7	6	6	4	3	2	2	3
31	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1

PERCENTAGE OF DATA VALID - 73.8 PERCENTAGE OF DATA INVALID - 26.2 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION													
STATION - C NO 47041 FED MANPOWER BLDG 48 OWEN ST. BARRIE													MONTH - JUN 78													
STATION - C NO 47041	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
HOUR DAY	1	1	1	1	0	0	0	0	0	0	****	0	0	0	1	1	2	2	2	2	2	2	1	1	1	
2	1	1	1	1	1	1	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	
5	1	1	1	1	1	1	0	1	0	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	2	2	2	1	1	1	1	1	1	
7	1	0	0	0	1	0	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	
8	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	1	***	***	1	1	1	1	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13																***	***	***	***	***	***	***	***	***	***	
14																										
15																										
16																										
17																										
18																										
19																										
20																										
21																										
22																										
23																										
24																										
25																										
26																										
27																										
28																										
29																										
30																										
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0.4	

PERCENTAGE OF DATA VALID - 37.9 PERCENTAGE OF DATA INVALID - 62.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 47041		FED MANPOWER BLDG 48 OWEN ST. BARRIE												MONTH - SEP 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	0	1	1	0	0	0	0	1
13	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	1	1	1	1	1	2	3	3	2	1	2	2	2	3	2	2	2	1	1	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0
28	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	1	1	1	0	0	1
29	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	1	1	1	2	2	2	3	3	2	2	1	1	1	1	1	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 47041		FED MANPOWER BLDG 48 OWEN ST. BARRIE												MONTH - OCT 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
3	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
4	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	0	0	1
6	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	1	0	1	1	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	1
11	0	0	0	0	0	0	1	1	1	1	2	3	6	3	3	3	3	2	2	2	1	1	1	1	2
12	1	1	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	0	0
16	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
17	1	1	0	0	1	1	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	0	0	0	0	1
19	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	1
20	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	0	1
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
22	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
24	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1
26	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
27	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
28	0	1	1	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	0	0	0	0	0	0	0
29	0	1	0	0	0	0	0	0	0	1	1	0	1	1	1	0	1	1	1	1	1	1	0	0	1
30	0	0	0	0	0	0	1	1	1	1	1	1	3	3	3	3	3	3	4	2	2	1	1	1	1
31	2	3	3	2	1	1	1	2	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0.6

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 47041 FED MANPOWER BLDG 48 OWEN ST. BARRIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.8	5	7
FEB	28	1.5	3	7
MAR	31	1.4	3	6
APR	22	1.2	2	5
MAY	22	1.0	3	7
JUN	11	0.4	1	2
JUL	13	0.9	2	4
AUG	31	0.7	2	7
SEP	30	0.3	1	3
OCT	31	0.6	2	6
NOV	30	0.4	2	3
DEC	31	0.6	1	5
YEAR	311	0.9	5	7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 47041 FED MANPOWER BLDG 48 OWEN ST. BARRIE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	736	3	0	0	0	0	0	0	739
FEB	667	2	0	0	0	0	0	0	669
MAR	741	1	0	0	0	0	0	0	742
APR	534	0	0	0	0	0	0	0	534
MAY	544	5	0	0	0	0	0	0	549
JUN	273	0	0	0	0	0	0	0	273
JUL	325	0	0	0	0	0	0	0	325
AUG	735	2	0	0	0	0	0	0	737
SEP	717	0	0	0	0	0	0	0	717
OCT	743	1	0	0	0	0	0	0	744
NOV	715	0	0	0	0	0	0	0	715
DEC	742	0	0	0	0	0	0	0	742
YEAR	7472	14	0	0	0	0	0	0	7486

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.5	0	0.0	0.0	0.3	0.8	1.7	2.1	2.9	3.6	7	0.9

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - JAN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	***	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
4	0	0	0	0	1	1	1	1	1	3	6	9	13	3	3	3	2	2	2	2	2	2	1	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	
6	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	
7	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	1	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	1	1	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
13	1	1	1	1	1	1	1	1	1	1	1	1	1	***	1	2	1	2	1	1	1	1	1	1	
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	
15	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	0	
16	1	1	1	2	2	2	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	
17	1	1	2	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	1	***	0	0	0	0	1	1	1	1	1	0	
19	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1	
20	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	1	1	2	2	2	1	1	
23	1	1	2	2	2	1	1	1	1	2	2	2	2	2	1	2	2	2	3	3	3	4	4	5	
24	6	6	6	8	8	7	7	6	5	5	6	6	6	6	8	6	6	9	6	5	7	5	7	8	
25	5	5	5	6	5	3	2	2	2	2	2	2	2	3	***	3	3	3	2	2	2	2	2	2	
26	2	1	1	2	2	3	2	1	2	2	2	2	2	2	1	2	2	2	2	1	1	1	1	2	
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
28	1	1	1	2	2	2	2	1	2	2	4	3	3	3	2	2	2	2	2	2	2	2	2	2	
29	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	2	
30	3	2	2	2	2	2	1	1	1	1	1	1	2	2	2	3	3	2	2	2	1	1	1	1	
31	1	1	1	1	1	1	1	1	2	2	3	2	2	***	1	2	2	2	1	1	1	1	1	1	
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1	

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - FEB 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	1	1	1	1	1	1	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1
3	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	6	5	6	4	4	3	3	3	3	2
4	3	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	2	2	1	2
5	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
6	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1
7	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	4	4	4	4	4	3	3	3	2	2
8	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	1	1	1	1	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	2	2	3	3	***	2	1	1	1	0	0	0	0	0	2
10	0	0	0	1	1	1	0	1	0	1	1	1	1	1	1	1	0	1	1	1	1	1	1	0	1
11	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	1	1	1	1	1	1	1	1	2	***	0	2	4	5	4	3	3	3	2	3	2
15	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2	3	3
16	4	4	5	6	5	7	7	4	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	1	1	1	1	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	1	1	1	1	0	1	1	1	1	1	1	2	7	2	3	3	4	3	2	2	2
21	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1
22	1	2	3	3	2	2	2	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	1	1	2	2	0
24	2	2	2	3	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
26	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
27	2	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
28	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	3	4	4	3	3	3	2
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - C NO 48002					TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE										MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	1	1	1	1	2	2	2	1	1	1	1	0	0	1	1	1	1	0	0	0	0	1	
2	0	0	0	1	1	1	1	0	0	0	***	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	
24	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	
25	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	***	***	***	***	2	2	2	1	1	
27	1	1	0	0	1	1	1	2	2	2	2	1	1	1	0	0	0	0	0	0	1	0	1	1	1	
28	0	0	0	0	0	1	1	1	2	2	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	
29	1	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	
30	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0.4	

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

	STATION - C NO 48002										TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE										MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN						
1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1						
2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0						
6	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	1	1	1	1	0	0	0						
7	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1						
8	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1						
9	0	1	1	0	1	1	1	0	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0	1						
10	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1						
11	0	0	0	1	0	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1						
12	1	1	1	1	1	1	1	1	1	1	1	2	***	***	***	***	***	***	***	***	***	***	***	***	***						
13													DATA INVALID																		
14													DATA INVALID																		
15													DATA INVALID																		
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1						
17	0	0	1	1	0	0	0	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1						
18	1	1	1	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
19	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0						
20	0	0	0	0	0	0	0	0	0	0	***	0	***	1	1	1	1	1	2	1	1	1	1	1	1						
21	2	2	2	2	2	2	2	2	2	1	1	2	2	3	2	2	1	1	1	1	1	1	1	1	2						
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0						
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0						
24	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0						
25	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1						
26	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	0	0	1						
27	0	0	0	0	0	0	0	0	0	0	0	0	***	1	1	1	1	1	1	1	1	0	0	0	0						
28	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0						
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0.5						

PERCENTAGE OF DATA VALID - 89.3

PERCENTAGE OF DATA INVALID - 8.1

PERCENTAGE OF DATA UNAVAILABLE - 2.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	2	2	3	3	2	2	2	2	2	1
7	2	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2
8	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
9	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	2	3	2	1	1	1	1	1	1
14	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	2	2	2	4	3	2	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
20	1	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1	1	1	1	0	0	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	1	1	0	0	0
27	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
30	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1	1	1	1	1	0	0	1
2	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1
3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	1	1	1	0	0
6	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	1	0
9	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	1	1	1	1	0	0	1
15	0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	2	1	1	1	1	1	1	1	1	1
16	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	1
17	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	3	2	2	3	3	3	3	2	2	1	1	0	1	0	1
23	0	0	1	1	0	1	1	0	1	1	1	1	1	1	1	3	4	3	3	2	2	2	2	1	1
24	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 1.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE															MONTH - NOV 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

PERCENTAGE OF DATA VALID - 21.3 PERCENTAGE OF DATA INVALID - 8.8 PERCENTAGE OF DATA UNAVAILABLE - 70.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "--" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																										
POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION												
STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE														MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	2	1	
13	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	3	3	1	1	0	0	0	0	1	1	
17	0	0	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	1	1	1	1	1	2	2	1	
18	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	1	
19	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "--" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	7	13
FEB	28	1.0	3	7
MAR	19	0.5	2	6
APR	29	0.6	3	6
MAY	31	0.4	2	4
JUN	26	0.5	2	3
JUL	31	0.4	2	4
AUG	31	0.4	1	4
SEP	26	0.5	1	4
OCT	4	0.0	0	0
NOV	6	0.0	0	1
DEC	31	0.1	1	4
YEAR	293	0.5	7	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 48002 TRAILER/MTC YARD #9 HWY 47, STOUFFVILLE \*

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	716	22	1	0	0	0	0	0	739
FEB	664	6	0	0	0	0	0	0	670
MAR	472	1	0	0	0	0	0	0	473
APR	705	1	0	0	0	0	0	0	706
MAY	737	0	0	0	0	0	0	0	737
JUN	643	0	0	0	0	0	0	0	643
JUL	740	0	0	0	0	0	0	0	740
AUG	733	0	0	0	0	0	0	0	733
SEP	633	0	0	0	0	0	0	0	633
OCT	98	0	0	0	0	0	0	0	98
NOV	153	0	0	0	0	0	0	0	153
DEC	743	0	0	0	0	0	0	0	743
YEAR	7037	30	1	0	0	0	0	0	7068

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
80.7	0	0.0	0.0	0.0	0.2	1.1	1.7	2.5	3.3	13	0.5







MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.2	5	11
FEB	28	2.5	6	12
MAR	31	4.0	6	15
APR	26	1.4	4	7
MAY	24	0.3	1	4
JUN	30	0.2	1	4
JUL	25	0.2	3	4
AUG	30	0.1	1	3
SEP	27	0.1	1	4
OCT	24	0.7	2	4
NOV	29	0.8	2	6
DEC	30	2.0	5	9
YEAR	335	1.3	6	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	698	31	1	0	0	0	0	0	730
FEB	634	29	1	0	0	0	0	0	664
MAR	646	86	4	0	0	0	0	0	736
APR	615	8	0	0	0	0	0	0	623
MAY	578	0	0	0	0	0	0	0	578
JUN	704	0	0	0	0	0	0	0	704
JUL	643	0	0	0	0	0	0	0	643
AUG	713	0	0	0	0	0	0	0	713
SEP	638	0	0	0	0	0	0	0	638
OCT	611	0	0	0	0	0	0	0	611
NOV	692	3	0	0	0	0	0	0	695
DEC	689	32	0	0	0	0	0	0	721
YEAR	7861	189	6	0	0	0	0	0	8056

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.0	0	0.0	0.0	0.1	1.1	3.3	4.2	5.3	6.1	15	1.3











MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	0.6	2	4
FEB	28	1.0	3	6
MAR	31	0.6	2	8
APR	30	0.3	1	3
MAY	30	0.6	2	3
JUN	30	0.2	1	2
JUL	31	0.0	0	1
AUG	31	0.3	2	3
SEP	30	0.1	1	1
OCT	31	0.3	1	2
NOV	28	0.2	1	2
DEC	29	0.2	1	2
YEAR	353	0.3	3	8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 52020 CHURCHILL PK NAPIER ST KINGSTON

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	570	0	0	0	0	0	0	0	570
FEB	663	1	0	0	0	0	0	0	664
MAR	727	1	0	0	0	0	0	0	728
APR	713	0	0	0	0	0	0	0	713
MAY	720	0	0	0	0	0	0	0	720
JUN	716	0	0	0	0	0	0	0	716
JUL	743	0	0	0	0	0	0	0	743
AUG	734	0	0	0	0	0	0	0	734
SEP	716	0	0	0	0	0	0	0	716
OCT	726	0	0	0	0	0	0	0	726
NOV	651	0	0	0	0	0	0	0	651
DEC	709	0	0	0	0	0	0	0	709
YEAR	8388	2	0	0	0	0	0	0	8390

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.8	0	0.0	0.0	0.0	0.0	0.8	1.1	1.8	2.3	8	0.3







MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.9	7	18
FEB	28	2.6	4	18
MAR	23	2.4	5	13
APR	30	1.5	4	16
MAY	31	2.0	5	42
JUN	30	1.6	9	18
JUL	29	1.2	3	16
AUG	31	1.4	4	11
SEP	30	0.5	2	7
OCT	29	0.9	3	10
NOV	30	1.6	5	18
DEC	31	1.7	6	25
YEAR	353	1.7	9	42

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	650	63	17	1	0	0	0	0	731
FEB	615	48	1	1	0	0	0	0	665
MAR	521	51	2	0	0	0	0	0	574
APR	672	31	6	1	0	0	0	0	710
MAY	692	37	4	2	1	1	1	0	738
JUN	660	43	9	2	0	0	0	0	714
JUL	680	16	1	1	0	0	0	0	698
AUG	705	30	3	0	0	0	0	0	738
SEP	706	2	0	0	0	0	0	0	708
OCT	692	23	0	0	0	0	0	0	715
NOV	666	36	8	1	0	0	0	0	711
DEC	675	61	5	0	1	0	0	0	742
YEAR	7934	441	56	9	2	1	1	0	8444

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.4	0	0.0	0.0	0.6	1.5	3.7	5.5	7.8	9.5	42	1.7











## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	0.7	5	8
FEB	20	0.9	4	5
MAR	10	0.4	1	4
APR	30	0.1	0	2
MAY	27	0.3	1	2
JUN	30	0.5	1	3
JUL	31	0.3	2	3
AUG	31	0.0	0	2
SEP	30	0.1	1	2
OCT	31	0.5	2	6
NOV	30	0.6	2	5
DEC	31	0.5	2	3
YEAR	325	0.4	5	8

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - C NO 59006 CITY HALL 500 GEORGE ST. PETERBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	580	9	0	0	0	0	0	0	0	0	0	589
FEB	490	0	0	0	0	0	0	0	0	0	0	490
MAR	259	0	0	0	0	0	0	0	0	0	0	259
APR	718	0	0	0	0	0	0	0	0	0	0	718
MAY	660	0	0	0	0	0	0	0	0	0	0	660
JUN	715	0	0	0	0	0	0	0	0	0	0	715
JUL	744	0	0	0	0	0	0	0	0	0	0	744
AUG	742	0	0	0	0	0	0	0	0	0	0	742
SEP	719	0	0	0	0	0	0	0	0	0	0	719
OCT	736	1	0	0	0	0	0	0	0	0	0	737
NOV	718	0	0	0	0	0	0	0	0	0	0	718
DEC	743	0	0	0	0	0	0	0	0	0	0	743
YEAR	7824	10	0	0	0	0	0	0	0	0	0	7834

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
89.4	0	0.0	0.0	0.0	0.0	0.9	1.5	2.3	2.9	8	0.4









MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.5	6	27
FEB	26	1.0	6	41
MAR	29	1.0	4	63
APR	29	2.4	17	75
MAY	29	1.4	21	54
JUN	28	1.9	13	54
JUL	30	2.0	11	70
AUG	24	1.6	17	56
SEP	29	1.1	7	42
OCT	28	1.5	11	58
NOV	27	1.2	12	41
DEC	25	0.6	6	30
YEAR	335	1.4	21	75

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 61010 LASSIE/DICKENSON RDS BALMERTOWN

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	724	4	3	1	2	3	0	0	737
FEB	601	7	5	2	2	6	1	0	624
MAR	648	9	6	3	2	2	3	3	676
APR	625	17	12	3	3	7	9	6	682
MAY	649	10	2	1	1	9	8	2	682
JUN	594	11	11	7	6	15	2	1	647
JUL	666	15	12	12	4	11	2	4	726
AUG	580	5	10	5	4	11	2	1	618
SEP	630	21	9	4	4	4	1	0	673
OCT	621	16	7	4	8	7	1	2	666
NOV	601	9	13	6	7	4	1	0	641
DEC	585	8	3	2	2	5	0	0	605
YEAR	7524	132	93	50	45	84	30	19	7977

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.1	0	0.0	0.0	0.0	0.0	1.0	6.8	21.8	33.0	75	1.4



POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION															
STATION - NW NO 63012 DAWSON CT ALGOMA ST NORTH, THUNDER BAY											MONTH - JAN 78															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	
18	0	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1	

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NW NO 63012 DAWSON CT ALGOMA ST NORTH, THUNDER BAY												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0
4	1	0	1	0	0	1	1	0	0	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	1	0
22	0	0	0	0	0	0	0	0	0	0	0	3	1	1	1	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NW NO 63012												MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	1	1	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
11	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	1	1	1	0	0	0	1	0	0	0	3	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	2	1	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
20	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	2	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	2	0	0	0	0
31	1	0	0	0	2	0	0	0	10	1	0	0	6	0	0	0	1	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NW NO 63012												MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0
9	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	3	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	0	0
16	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	0	0	0	0	3	0	0	12	1	1	0	7	1	1	0	1	0	0	1	0	0	2	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	3	0	0	0	0
23	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0
26	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	0	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	3	1	11	1	4	2	1	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	5	0	0	2	0	0	1	1	1	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63012 DAWSON CT ALGOMA ST NORTH, THUNDER BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.1	0	3
FEB	28	0.0	0	5
MAR	31	0.1	1	10
APR	30	0.2	1	12
MAY	27	0.4	2	19
JUN	29	0.3	1	10
YEAR	176	0.2	2	19

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63012 DAWSON CT ALGOMA ST NORTH, THUNDER BAY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	735	0	0	0	0	0	0	0	735
FEB	669	0	0	0	0	0	0	0	669
MAR	737	2	0	0	0	0	0	0	739
APR	715	2	3	0	0	0	0	0	720
MAY	665	6	0	2	0	0	0	0	673
JUN	696	9	0	0	0	0	0	0	705
YEAR	4217	19	3	2	0	0	0	0	4241

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.6	0	0.0	0.0	0.0	0.0	0.0	0.7	1.5	2.8	19	0.2

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63022

HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH - JUL 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 59.7

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 37.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63022

HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH - AUG 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 86.2

PERCENTAGE OF DATA INVALID - 13.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - NW NO 63022															HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY										MONTH - SEP 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	0	0	****	0	0	0	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0									
2	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
3	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
4	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
5	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
6	0	0	****	0	0	0	0	0	0	0	1	0	1	0	****	0	0	0	0	0	0	0	0	0	0									
7	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
8	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
9	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
10	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
11	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
12	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
13	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
14	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
15	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
16	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
17	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
18	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
19	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
20	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
21	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
22	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
23	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
24	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
25	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
26	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
27	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	1	0	0	0	0	0	0	0									
28	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
29	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
30	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
MEAN	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0.0									

PERCENTAGE OF DATA VALID - 91.5

PERCENTAGE OF DATA INVALID - 8.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION																			
STATION - NW NO 63022															HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY										MONTH - OCT 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
2	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
3	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
4	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
5	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
6	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
14	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
15	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
16	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
17	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
18	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
19	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
20	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
21	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
22	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
23	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	1	1	1	0	0	0									
24	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
25	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
26	0	0	0	0	****	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
27	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0									
28	0	0	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	3	2	0	0	0	0	0	0									
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0									

PERCENTAGE OF DATA VALID - 94.2

PERCENTAGE OF DATA INVALID - 5.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY											MONTH - NOV 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	1	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	****	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
9												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
10												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
11												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
12												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
13												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
14												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
15												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
16												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-	-
17												- ****	0	0	0	0	0	0	0	0	0	0	0	0	0
18	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
19	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
20	****	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
21	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 65.3

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 33.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

	POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION													
	STATION - NW NO 63022					HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY					MONTH - DEC 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN		DATA UNAVAILABLE		
JUL	18	0.0	0	2
AUG	27	0.0	0	1
SEP	30	0.0	0	1
OCT	31	0.0	0	3
NOV	19	0.0	0	5
DEC	31	0.0	0	0
YEAR	156	0.0	0	5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63022 HOSPITAL 35 ALGOMA ST NORTH, THUNDER BAY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	61 TO 65	66 TO 70	71 TO 75	76 TO 80	81 TO 85	86 TO 90	91 TO 95	96 TO 100	TOTAL
JAN	DATA UNAVAILABLE																				
FEB	DATA UNAVAILABLE																				
MAR	DATA UNAVAILABLE																				
APR	DATA UNAVAILABLE																				
MAY	DATA UNAVAILABLE																				
JUN	DATA UNAVAILABLE																				
JUL	444	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	444
AUG	641	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	641
SEP	659	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	659
OCT	701	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	701
NOV	470	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	470
DEC	742	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	742
YEAR	3657	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3657

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
82.8	0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	5	0.0

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY		MONTH - JAN 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 73.0

PERCENTAGE OF DATA INVALID - 17.3

PERCENTAGE OF DATA UNAVAILABLE - 9.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NW NO 63040 435 JAMES ST S THUNDER BAY		MONTH - FEB 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63040 435 JAMES ST S THUNDER BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	21	0.0	0	1
FEB	28	0.1	1	6
MAR	27	0.1	0	2
APR	30	0.3	2	15
MAY	30	0.3	1	17
JUN	30	0.1	1	4
JUL	31	0.1	1	8
AUG	31	0.1	1	2
SEP	30	0.0	0	1
OCT	30	0.0	1	4
NOV	30	0.0	0	2
DEC	27	0.0	0	1
YEAR	345	0.1	2	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NW NO 63040 435 JAMES ST S THUNDER BAY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	543	0	0	0	0	0	0	0	543
FEB	670	1	0	0	0	0	0	0	671
MAR	667	0	0	0	0	0	0	0	667
APR	696	7	2	0	0	0	0	0	705
MAY	719	4	0	1	0	0	0	0	724
JUN	714	0	0	0	0	0	0	0	714
JUL	721	1	0	0	0	0	0	0	722
AUG	741	0	0	0	0	0	0	0	741
SEP	720	0	0	0	0	0	0	0	720
OCT	723	0	0	0	0	0	0	0	723
NOV	714	0	0	0	0	0	0	0	714
DEC	666	0	0	0	0	0	0	0	666
YEAR	8294	13	2	1	0	0	0	0	8310

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.9	0	0.0	0.0	0.0	0.0	0.0	0.4	0.9	1.5	17	0.1









ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71001 29 HILLCREST AVE WAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.8	23	116
FEB	28	2.3	18	113
MAR	29	2.7	27	251
APR	24	1.6	13	149
MAY	22	0.5	5	36
JUN	28	0.4	4	85
JUL	31	0.5	7	98
AUG	31	0.4	7	92
SEP	28	0.8	6	62
OCT	31	1.4	12	112
NOV	30	1.0	21	148
DEC	31	2.3	17	169
YEAR	344	1.2	27	251

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71001 29 HILLCREST AVE WAWA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	699	1	1	1	0	3	0	5	710
FEB	600	12	6	3	2	6	1	12	642
MAR	629	24	17	8	3	5	3	8	697
APR	569	10	6	5	5	1	2	5	603
MAY	546	6	0	2	2	3	0	0	559
JUN	660	5	2	0	3	0	0	1	671
JUL	725	4	1	0	0	0	0	2	732
AUG	715	6	2	0	0	0	0	2	725
SEP	672	9	7	0	0	5	1	1	695
OCT	699	6	5	1	4	6	3	5	729
NOV	662	12	1	1	0	5	1	4	686
DEC	693	19	5	3	1	1	1	10	733
YEAR	7869	114	53	24	20	35	12	55	8182

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.4	0	0.0	0.0	0.0	0.0	0.0	3.3	13.1	31.8	251	1.2







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71002 GOUDREAU ALGOMA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY	10	3.4	10	37
JUN	26	3.2	10	66
JUL	29	2.2	14	46
AUG	25	1.3	11	46
SEP	24	0.5	4	26
OCT	17	0.2	2	15
YEAR	131	1.7	14	66

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71002 GOUDREAU ALGOMA

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	202	21	11	6	6	6	0	0	252
JUN	533	40	24	17	7	13	3	2	639
JUL	624	44	20	6	10	7	3	0	714
AUG	590	20	11	6	4	5	1	0	637
SEP	583	9	4	2	1	1	0	0	600
OCT	411	2	2	0	0	0	0	0	415
YEAR	2943	136	72	37	28	32	7	2	3257

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
73.8	0	0.0	0.0	0.0	0.0	4.8	10.8	20.4	27.8	66	1.7















MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71022 SAULT COLLEGE QUEENS ST SAULT STE MARIE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	13	1.1	3	8
FEB	28	0.7	2	6
MAR	31	1.1	3	16
APR	25	2.4	13	75
MAY	28	0.5	2	11
JUN	29	0.3	1	6
JUL	26	0.3	2	7
AUG	31	0.5	4	11
SEP	25	0.3	1	9
OCT	31	0.4	2	9
NOV	27	0.5	3	9
DEC	31	1.3	7	17
YEAR	325	0.8	13	75

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 71022 SAULT COLLEGE QUEENS ST SAULT STE MARIE

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	299	8	0	0	0	0	0	0	307
FEB	634	2	0	0	0	0	0	0	636
MAR	706	6	0	1	0	0	0	0	713
APR	537	30	11	5	3	5	1	3	595
MAY	658	2	1	0	0	0	0	0	661
JUN	673	1	0	0	0	0	0	0	674
JUL	626	2	0	0	0	0	0	0	628
AUG	710	15	1	0	0	0	0	0	726
SEP	599	4	0	0	0	0	0	0	603
OCT	716	7	0	0	0	0	0	0	723
NOV	642	5	0	0	0	0	0	0	647
DEC	672	33	15	1	0	0	0	0	721
YEAR	7472	115	28	7	3	5	1	3	7634

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
87.1	0	0.0	0.0	0.0	0.3	1.3	2.6	5.2	7.5	75	0.8











UNITS = 0.01 PARTS/MILLION

MONTH - NOV 78

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

MONTH - DEC 78

PERCENTAGE OF DATA UNAVAILABLE - 9.7

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.3	2	9
FEB	28	0.3	1	8
MAR	31	0.3	1	8
APR	30	0.3	2	15
MAY	31	0.3	1	6
JUN	30	0.3	2	26
JUL	28	0.1	1	8
AUG	31	0.1	0	2
SEP	30	0.2	3	33
OCT	31	0.1	1	2
NOV	30	0.1	1	4
DEC	26	0.2	1	4
YEAR	357	0.2	3	33

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75016 VERNER PATROL YARD DOT VERNER

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	733	6	0	0	0	0	0	0	739
FEB	665	4	0	0	0	0	0	0	669
MAR	741	3	0	0	0	0	0	0	744
APR	716	2	1	0	0	0	0	0	719
MAY	730	2	0	0	0	0	0	0	732
JUN	688	2	0	0	0	1	0	0	691
JUL	675	1	0	0	0	0	0	0	676
AUG	743	0	0	0	0	0	0	0	743
SEP	714	0	0	0	0	2	0	0	716
OCT	715	0	0	0	0	0	0	0	715
NOV	714	0	0	0	0	0	0	0	714
DEC	638	0	0	0	0	0	0	0	638
YEAR	8472	20	1	0	0	3	0	0	8496

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.0	0	0.0	0.0	0.0	0.0	0.3	0.8	1.6	2.6	33	0.2











ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75020 TEACHERS COLLEGE 1ST AVE NORTH BAY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	0	2.4	****	4
FEB	28	1.7	4	22
MAR	20	0.9	2	9
APR	29	0.4	1	8
MAY	31	0.2	1	4
JUN	30	0.2	1	8
JUL	31	0.1	2	17
AUG	31	0.0	0	2
SEP	30	0.2	1	7
OCT	31	0.2	1	3
NOV	30	0.2	1	4
DEC	31	0.8	3	6
YEAR	322	0.4	4	22

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 75020 TEACHERS COLLEGE 1ST AVE NORTH BAY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	5	0	0	0	0	0	0	0	0	0	0	5
FEB	627	24	2	0	1	0	0	0	0	0	0	654
MAR	464	5	0	0	0	0	0	0	0	0	0	469
APR	702	1	0	0	0	0	0	0	0	0	0	703
MAY	718	0	0	0	0	0	0	0	0	0	0	718
JUN	688	1	0	0	0	0	0	0	0	0	0	689
JUL	733	2	0	1	0	0	0	0	0	0	0	736
AUG	742	0	0	0	0	0	0	0	0	0	0	742
SEP	697	2	0	0	0	0	0	0	0	0	0	699
OCT	733	0	0	0	0	0	0	0	0	0	0	733
NOV	717	0	0	0	0	0	0	0	0	0	0	717
DEC	711	1	0	0	0	0	0	0	0	0	0	712
YEAR	7537	36	2	1	1	0	0	0	0	0	0	7577

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.5	0	0.0	0.0	0.0	0.0	0.9	1.7	2.9	3.8	22	0.4



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION											
STATION - NE NO 77001															PENAGE SUDBURY AIRSHED											
MONTH - JAN 78															MONTH - JAN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	3	3	2	1	0	0	0	0	0	0	0	0	3	7	5	2	0	0	0	0	0	0	0	1	
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	1	
5	0	0	0	0	0	0	0	0	0	1	2	2	4	4	3	2	1	0	0	0	0	0	0	0	1	
6	4	1	1	1	0	0	0	0	0	1	3	2	3	3	0	0	0	0	0	0	0	0	0	0	1	
7	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	
8	DATA INVALID -															DATA INVALID -										
9	DATA INVALID -															DATA INVALID -										
10	DATA INVALID -															DATA INVALID -										
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	2	7	3	6	9	0	0	0	0	0	0	0	0	1	1	0
14	0	0	0	0	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	1
15	DATA INVALID -															DATA INVALID -										
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	4	7	9	27	42	26	8	5	4	2	1	1	6	
18	0	1	0	0	0	0	0	0	0	0	11	8	9	8	2	2	9	9	8	6	6	5	5	5	4	
19	2	3	2	2	2	2	2	1	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	10	1	
20	6	3	1	0	0	1	2	5	8	8	6	5	6	5	9	10	3	0	0	0	0	0	0	0	3	
21	1	1	1	1	1	1	1	1	1	1	5	6	7	6	9	8	4	5	4	3	2	1	1	1	3	
22	1	1	2	2	2	2	2	2	2	2	4	4	3	0	0	0	0	0	0	0	0	0	0	0	1	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	5	8	6	5	5	6	2	2	
26	6	5	3	4	5	4	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	1	1	0	0	0	0	0	0	1	0	1	1	2	2	2	1	2	2	2	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 84.4 PERCENTAGE OF DATA INVALID - 15.6 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77001												PENAGE SUDBURY AIRSHED													
MONTH - FEB 78												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	2	5	22	19	8	5	2	1	0	0	0	0	1	1	3
2	2	2	3	5	4	3	1	2	1	1	1	2	3	6	5	8	7	6	5	4	3	3	2	1	3
3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	5	3	2	2	1	1	0	
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	4	6	1	0	0	0	0	0	0	0	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	6	5	3	2	1	1	
15	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
21	0	1	1	0	1	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	1	0	
22	0	0	0	0	1	0	0	0	0	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	
23	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	
24	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	2	2	1	
25	3	4	4	2	0	0	0	0	0	0	0	5	14	6	1	1	1	1	0	0	0	0	0	0	
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27	0	1	0	0	0	0	0	1	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	0	0	0	0	

PERCENTAGE OF DATA VALID - 93.3 PERCENTAGE OF DATA INVALID - 6.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77001		PENAGIE SUDBURY AIRSHED												MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	2	2	2	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
19	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
20	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	1	1	1	1	2
21	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	0	0	0	0	0	1	1	0	1
25	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
26	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1	1	2	2	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	2	1	2	2	1	2	2	2	2	2	1	1	2	2	1
28	1	1	1	1	1	1	2	1	2	2	2	2	3	3	4	3	3	3	6	5	5	3	3	2	3
29	1	2	1	1	1	1	1	2	2	3	2	3	3	3	3	2	2	2	2	2	2	2	2	1	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77001		PENAGIE SUDBURY AIRSHED												MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	3	2	2	5	2	8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	3	1	0	0	0	0	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION													
		STATION - NE NO 77001					PENAGE SUDBURY AIRSHED					MONTH - SEP 78														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	2	7	5	3	0	0	0	0	1
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	2	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	1	6	9	4	5	4	6	1	1	4	11	6	1	0	0	1	0	3
13		1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE										UNITS - 0.01 PARTS/MILLION														
		STATION - NE NO 77001					PENAGE SUDBURY AIRSHED					MONTH - OCT 78														
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14		0	0	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29		0	0	0	0	0	0	0	0	0	4	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
30		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77001		PENAGE SUDBURY AIRSHED												MONTH - NOV 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	0	0	1	0	1	0	3	3	3	1	0	0	0	0	0	2	1	0	0	0	0	0	0	1
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	1	2	1	2	2	3	2	3	3	1	1	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 98.6

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77001		PENAGE SUDBURY AIRSHED												MONTH - DEC 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.0

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77001 PENAGE SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	1.0	6	42
FEB	25	0.5	3	22
MAR	31	1.0	7	39
APR	24	0.7	5	22
MAY	31	0.9	3	19
JUN	30	0.1	1	8
JUL	25	0.1	1	8
AUG	27	0.1	1	3
SEP	30	0.1	3	11
OCT	31	0.0	0	4
NOV	30	0.1	1	3
DEC	31	0.0	0	2
YEAR	341	0.4	7	42

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77001 PENAGE SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	591	33	1	0	0	2	1	0	628
FEB	613	11	1	1	1	0	0	0	627
MAR	699	29	3	2	3	3	0	0	739
APR	583	7	6	2	2	0	0	0	600
MAY	722	12	3	1	0	0	0	0	738
JUN	714	2	0	0	0	0	0	0	716
JUL	600	3	0	0	0	0	0	0	603
AUG	660	0	0	0	0	0	0	0	660
SEP	714	5	1	0	0	0	0	0	720
OCT	742	0	0	0	0	0	0	0	742
NOV	710	0	0	0	0	0	0	0	710
DEC	741	0	0	0	0	0	0	0	741
YEAR	8089	102	15	6	6	5	1	0	8224

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.9	0	0.0	0.0	0.0	0.0	0.5	1.5	4.3	6.7	42	0.4

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77009												MONTH - JAN 78													
BURWASH SUDBURY AIRSHED																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	1	1	0	0	0	3	1	4	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	****	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0
5	1	1	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	3	5	5	3	****	1	2	2	3	3	3	1	0	0	0	0	1
7	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	****	0	0	0	0	0	2	2	2	1	6	0	4	7	9	7	10	2
9	2	7	4	1	0	0	0	****	0	0	0	0	0	0	0	0	0	1	3	2	2	3	4	3	1
10	3	1	8	9	7	0	0	****	0	1	3	4	14	7	3	6	2	7	0	0	0	0	0	0	3
11	0	0	0	0	0	0	0	0	0	0	0	4	0	0	2	1	1	2	1	1	1	1	2	1	1
12	1	1	1	1	0	0	1	****	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1
13	0	0	0	0	0	0	0	1	1	3	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	1	13	0	0	0	7	7	12	0	0	0	3	3	3	2	2	0	3	2	2
16	1	1	1	0	1	1	0	****	1	1	2	0	0	0	0	2	2	2	1	1	0	0	0	0	1
17	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	10	6	5	1	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	6	20	9	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	9	10	13	8	6	7	9	11	9	8	8	7	7	5
25	5	2	0	0	0	0	0	0	0	0	0	0	0	2	2	3	3	6	6	6	6	6	6	5	2
26	3	3	3	1	1	0	0	0	0	0	23	0	0	0	0	1	3	5	8	5	3	0	0	0	2
27	0	0	0	1	2	2	2	2	8	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	1	****	0	0	0	0	2	3	2	1	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	****	0	1	5	10	2	9	6	8	6	6	5	5	4	4	4	4	3
31	2	3	3	3	3	3	3	****	4	4	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	1	1	1	1	1	0	1	0	0	1	2	1	2	2	2	1	1	2	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 97.7

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77009		BURWASH SUDBURY AIRSHED												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	****	0	0	0	0	****	0	0	0	0	1	1	1	1	1	1	****	0
2	0	0	0	0	0	0	0	****	0	0	1	1	1	4	2	3	3	3	3	3	3	3	3	3	2
3	3	3	5	6	3	1	3	****	1	1	0	1	0	0	14	17	0	0	0	1	1	1	0	0	3
4	1	1	1	1	1	1	1	****	1	0	0	1	0	1	1	1	2	2	1	2	2	1	1	1	1
5	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	1	3	3	3	1	2	3	3	1
6	3	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	1	7	0	2	1	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	1	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	1	****	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
11	0	0	4	3	1	1	0	****	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	****	2	2	2	8	0	0	0	4	1	0	1	2	0	0	0	0	1
13	0	0	0	0	1	0	****	4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	****	0
15	0	0	0	0	0	0	0	****	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	2	1
16	1	1	2	1	1	2	2	****	1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18																									*****
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
MEAN	1	0	1	1	1	0	0	1	1	1	0	1	0	1	1	2	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 55.5

PERCENTAGE OF DATA INVALID - 3.3

PERCENTAGE OF DATA UNAVAILABLE - 41.2

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*-\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED												MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	1	1	1	1	1	0	1	9	2	1	0	1	3	3	1	0	0	0	0	1
2	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	0	35	5	0	1	1	4	7	3	1	1	1	0	3
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	8	6	35	39	16	0	4	12	9	1	0	0	0	5
7	0	0	0	0	0	0	0	0	3	8	0	10	17	9	3	1	0	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	11	10	10	10	9	9	3
11	7	7	5	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13	32	15	5	3	2	1	0	0	0	3
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	2	2	1	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	2	0	0	0	0	5	3	3	1
15	6	5	1	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	23	36	0	0	2	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	5	3	10	3	0	2	2	1	1
22	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	15	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	1	0
25	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	1	1	1	3	2	1	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	1	1	2	2	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED												MONTH - APR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	1	0	0	0	0
5	****	0	0	0	0	0	0	0	0	0	0	4	3	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	3	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	6	9	2	0	0	0	0	0	0
16	1	0	0	0	0	0	0	0	0	0	0	3	1	2	3	4	3	3	3	2	2	2	4	3	2
17	3	2	2	2	2	1	1	0	0	12	5	3	21	33	28	17	11	10	14	13	15	17	18	12	10
18	7	8	4	4	1	1	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	0	0	0	0	4	7	1
21	5	10	14	9	17	15	12	2	1	0	0	0	0	1	1	2	2	4	4	0	1	1	2	1	4
22	2	1	0	0	0	0	0	0	33	8	2	1	2	1	0	5	7	2	0	0	0	0	0	0	3
23	0	0	0	0	0	0	0	0	0	1	9	6	7	2	1	1	1	1	1	1	0	0	0	0	1
24	0	0	0	0	0	1	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	4	6	5	1	1	0	0	1
27	0	0	0	0	0	0	0	3	2	1	1	1	1	1	2	2	3	2	1	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	4	1	1	1	1	1	1	1	1	0	0	0	****	1	0
29	4	1	0	0	0	7	6	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	****	1	0
30	0	0	1	0	0	0	0	0	1	6	12	12	11	11	3	1	0	0	0	0	0	0	0	****	3
MEAN	1	1	1	1	1	1	1	0	2	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED															MONTH - MAY 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	----	0
2	11	24	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	3	9	2
3	0	0	0	0	0	0	0	0	0	3	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	2	1	1	1	2	1	1	1	1	1	1	0	0	1	1	1
5	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	1	0	0	0	0	1	1	1	0	1	1	1	2	3	3	1	1	1	3	2	1
7	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	2	0	0	0	0	0	0	0	1	1	1	16	20	2	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	1	1	1	1	3	4	4	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	9	23	----	14	5	4	3	3	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	7	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	----	1	3	1	0	0	0	0	0	0	0	0	0	1	8	6	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	1	1	1	26	10	1	1	1	----	----	----	----	----	----	----	----
23	----	----	----	----	----	----	----	----	----	----	----	----	----	0	0	0	0	0	0	0	0	0	0	0	----
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	3	1	4	5	3	3	4	4	3	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	1	3	3	3	4	4	4	4	3	4	3	2	1
29	0	0	0	0	0	0	0	0	0	1	2	2	2	2	3	2	2	2	3	3	1	0	0	0	1
30	0	0	0	0	0	0	0	0	0	1	1	1	1	3	3	3	2	2	2	2	2	2	2	1	1
31	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	2	0	0	0
MEAN	0	1	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	1	1	0	0	0	0	1	0

PERCENTAGE OF DATA VALID - 96.5

PERCENTAGE OF DATA INVALID - 3.5

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77009 BURWASH SUDBURY AIRSHED															MONTH - JUN 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	1	1	1	1	1	2	2	1	0	0	0	0	6	12	5	1	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	3	1	0	0	0	0	0	0	0	0	1	2	0	3	2	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	1	8	4	0	0	0	0	0	0	4	13	21	10	4	1	0	3
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	14	12	6	4	5	7	9	7	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	4	3	0	0	4	1	5	3	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	2	1	0	1
23	0	0	0	0	0	0	0	0	0	2	6	0	0	2	2	5	4	7	4	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	1	1	1	5	15	5	0	0	0	0	0	0	0	0	0	0	0	0	1
29	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0.4

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. --\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY









ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77009 BURWASH SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	5	23
FEB	15	0.7	3	17
MAR	31	0.9	5	39
APR	30	1.0	10	33
MAY	30	0.6	3	26
JUN	30	0.4	3	21
JUL	31	0.2	3	14
AUG	30	0.0	0	0
SEP	29	0.1	1	10
OCT	30	0.2	1	12
NOV	26	0.3	1	10
DEC	30	0.1	1	5
YEAR	343	0.5	10	39

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77009 BURWASH SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	677	43	5	1	1	0	0	0	727
FEB	368	3	1	1	0	0	0	0	373
MAR	709	17	6	2	1	5	0	0	740
APR	674	20	13	4	1	3	0	0	715
MAY	705	6	2	2	2	1	0	0	718
JUN	702	10	6	0	1	0	0	0	719
JUL	735	6	2	0	0	0	0	0	743
AUG	708	0	0	0	0	0	0	0	708
SEP	703	1	0	0	0	0	0	0	704
OCT	701	1	1	0	0	0	0	0	703
NOV	663	3	0	0	0	0	0	0	666
DEC	725	0	0	0	0	0	0	0	725
YEAR	8070	110	36	10	6	9	0	0	8241

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.1	0	0.0	0.0	0.0	0.0	0.7	2.2	5.2	8.7	39	0.5











ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77010 CALLUM SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	6	28
FEB	28	1.1	4	20
MAR	31	0.9	4	23
APR	25	0.4	2	25
MAY	28	0.9	3	17
JUN	30	0.5	2	21
JUL	31	0.1	1	8
AUG	23	0.3	4	34
SEP	30	0.4	4	33
OCT	31	0.1	1	3
NOV	30	0.3	2	23
DEC	31	0.1	1	12
YEAR	349	0.5	6	34

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77010 CALLUM SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	706	26	4	4	2	1	0	0	743
FEB	632	30	6	1	0	0	0	0	669
MAR	706	22	11	2	2	0	0	0	743
APR	597	12	1	0	2	0	0	0	612
MAY	670	10	3	1	0	0	0	0	684
JUN	699	15	3	2	1	0	0	0	720
JUL	738	2	0	0	0	0	0	0	740
AUG	563	2	1	0	0	2	0	0	568
SEP	708	1	1	2	3	1	0	0	716
OCT	743	0	0	0	0	0	0	0	743
NOV	705	8	0	0	1	0	0	0	714
DEC	709	1	1	0	0	0	0	0	711
YEAR	8176	129	31	12	11	4	0	0	8363

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.5	0	0.0	0.0	0.0	0.0	0.9	2.1	5.6	8.6	34	0.5





UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77012															SKEAD SUDBURY AIRSHED										MONTH - JUL 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN									
1	****	0	0	0	0	0	0	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
2	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
3	****	0	0	0	0	0	0	0	0	17	2	5	0	0	0	0	0	0	0	0	0	0	0	0	0									
4	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	0	0									
5	0	0	0	0	0	0	0	0	0	0	0	0	8	0	2	0	0	0	2	7	9	5	8	4	3									
6	2	6	0	0	1	2	0	3	5	2	5	12	13	3	2	8	3	4	2	2	0	0	0	2	4									
7	0	0	0	0	0	0	1	0	1	6	3	3	1	0	2	2	4	8	9	36	20	6	1	3	4									
8	0	29	60	14	0	9	36	6	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7									
9	0	0	0	0	0	0	0	0	0	0	2	0	0	0	6	6	5	0	0	0	0	0	0	0	0									
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
12	0	0	0	0	0	0	0	0	0	0	0	0	5	6	7	3	4	0	0	0	0	0	0	0	1									
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0									
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	8	0	0	0	0	0	0	0	1									
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0									
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0									
MEAN	0	1	2	0	0	0	1	0	0	1	1	1	1	0	1	1	1	1	0	0	2	1	0	0	0	0.7								

PERCENTAGE OF DATA VALID - 98.7      PERCENTAGE OF DATA INVALID - 0.9      PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

UNITS - 0.01 PARTS/MILLION

[illegible]

PERCENTAGE OF DATA VALID - 99.9      PERCENTAGE OF DATA INVALID - 0.1      PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.    \*-\* INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77012 SKEAD SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.5	5	24
FEB	28	1.0	9	44
MAR	28	2.4	16	90
APR	26	0.1	1	14
MAY	31	2.1	12	63
JUN	30	2.0	12	55
JUL	31	0.7	7	60
AUG	31	0.2	3	38
SEP	30	0.8	5	41
OCT	31	1.5	8	40
NOV	30	0.9	8	57
DEC	31	0.4	4	24
YEAR	358	1.1	16	90

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77012 SKEAD SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	715	13	3	3	1	0	0	0	735
FEB	638	17	7	1	1	2	4	0	670
MAR	613	17	8	10	8	14	1	5	676
APR	645	2	2	0	0	0	0	0	649
MAY	660	32	15	11	7	8	4	3	740
JUN	619	33	9	8	6	10	3	1	689
JUL	705	20	3	2	0	3	0	1	734
AUG	737	4	0	0	0	2	0	0	743
SEP	685	14	8	1	4	4	1	0	717
OCT	675	19	16	7	8	10	1	0	736
NOV	653	8	10	3	2	4	1	2	683
DEC	715	4	1	3	2	0	0	0	725
YEAR	8060	183	82	49	39	57	15	12	8497

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.0	0	0.0	0.0	0.0	0.0	1.2	5.2	15.1	24.9	90	1.1







ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77013												HANMER SUDBURY AIRSHED													
												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	0	1	0	21	5	2	0	0	0	0	3	7	2	1	0	1	1	1	2
2	1	0	0	0	0	1	0	13	20	2	2	0	0	0	0	0	0	0	1	10	2	1	0	1	2
3	1	0	1	0	0	0	0	1	3	0	0	2	1	0	2	3	1	0	1	0	0	0	1	1	1
4	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
5	1	1	1	1	1	1	1	0	0	0	0	0	0	3	4	2	0	6	4	8	3	3	4	1	2
6	4	2	1	1	1	0	1	2	2	2	6	8	3	13	15	6	6	14	4	9	7	8	0	0	5
7	1	1	1	1	1	1	1	1	1	5	8	2	5	23	21	30	2	9	7	4	3	2	2	2	6
8	2	1	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0
9	2	2	1	1	2	1	1	0	0	2	9	7	12	9	0	0	0	3	2	2	3	4	0	0	3
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	14	8	5	2	0	0	1
13	0	0	0	2	2	5	3	1	0	4	4	3	2	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	8	11	13	18	1	1	1	1	0	2
15	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
18	0	1	0	1	1	1	0	1	1	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1
19	0	0	0	0	0	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1
20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0
24	1	1	1	1	2	1	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	1	1	0	1	1	1	1	1	1	1	2	1	2	2	2	2	1	1	0	0	0.9

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77013												HANMER SUDBURY AIRSHED														
												MONTH - AUG 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
2	1	0	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8	1	0	1	1	1	2	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
11	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
13	1	1	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	0	0		
15	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	0	0	0	0	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24	*****																									
25	- DATA INVALID -																									
26	- DATA INVALID -																									
27	- DATA INVALID -																									
28	- DATA INVALID -																									
29	- DATA INVALID -																									
30	- DATA INVALID -																									
31	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION											
		STATION - NE NO 77013					HANMER SUDBURY					AIRSHED					MONTH - SEP 78										
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	0	0	0	0	0	0	
2		9	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
3		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
4		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
5		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
6		9	2	4	1	0	0	0	0	0	0	0	0	0	0	0	5	6	5	10	6	2	3	4	5	4	2
7		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
8		0	0	0	0	0	0	0	0	5	3	19	12	8	4	2	1	0	0	0	0	0	0	0	0	2	
9		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
10		0	3	4	2	20	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	
11		0	0	0	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
12		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13		0	1	1	2	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
14		0	0	0	0	0	0	0	5	9	21	13	0	0	4	11	0	0	0	0	0	0	0	0	0	3	
15		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
16		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
18		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
19		0	0	0	0	0	0	0	0	0	1	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
20		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
24		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
26		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
27		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29		0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	0	
30		0	0	0	0	1	0	5	4	6	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
MEAN		1	0	0	0	1	1	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0.4	

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - SULPHUR DIOXIDE														UNITS - 0.01 PARTS/MILLION									
		STATION - NE NO 77013 HANMER SUDBURY AIRSHED														MONTH - OCT 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	4	9	9	0	0	0	0	0	0	0	0	0	0	0	0	1
3	0	0	2	5	2	2	0	0	0	0	0	0	0	0	4	7	15	14	1	0	9	10	0	0	3
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	2	1	4	0	0	0	1
6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	1	0	1	7	3	1	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
31	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0.2

PER

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77013 HANMER SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	6	19
FEB	28	0.7	3	13
MAR	27	0.6	3	17
APR	26	0.5	2	46
MAY	27	1.2	5	55
JUN	28	1.2	8	47
JUL	30	0.9	6	30
AUG	22	0.2	0	9
SEP	30	0.4	3	21
OCT	30	0.2	3	15
NOV	29	0.2	1	10
DEC	31	0.5	3	32
YEAR	339	0.6	8	55

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77013 HANMER SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	717	15	6	4	0	0	0	0	742
FEB	644	23	3	0	0	0	0	0	670
MAR	642	11	4	1	0	0	0	0	658
APR	628	3	2	0	1	0	1	0	635
MAY	627	18	6	4	1	3	1	1	661
JUN	644	12	2	3	6	3	1	0	671
JUL	697	19	8	2	3	1	0	0	730
AUG	549	2	0	0	0	0	0	0	551
SEP	700	11	3	3	1	0	0	0	718
OCT	718	6	2	0	0	0	0	0	726
NOV	694	3	0	0	0	0	0	0	697
DEC	724	6	2	0	1	1	0	0	734
YEAR	7984	129	38	17	13	8	3	1	8193

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.5	0	0.0	0.0	0.0	0.0	1.0	2.7	6.4	9.9	55	0.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77014											RAYSIDE SUDBURY AIRSHED														
											MONTH - JAN 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
4	1	0	1	2	1	0	0	0	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	2	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	3	21	20	9	2	0	1	0	0	0	0	0	0	0	0	2
8	0	1	3	6	6	2	4	2	3	3	3	2	2	2	1	0	0	0	0	0	0	0	0	0	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	2	4	1
13	2	2	2	2	2	2	3	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
17	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0
18	0	0	0	1	2	0	0	0	0	0	2	4	1	0	0	1	1	0	0	0	1	1	1	1	1
19	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
20	0	0	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21	2	2	2	1	2	2	2	4	10	11	10	11	10	8	5	4	4	4	4	3	3	3	2	2	5
22	2	3	2	1	2	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	1	19	3	2	1	2	1	1	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	5	4	1	1	1	1	0	1
31	2	1	2	3	2	2	1	2	3	3	3	2	2	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	1	1	0	0	0	1	1	1	2	1	1	1	0	1	0	0	0	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 100.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE											UNITS - 0.01 PARTS/MILLION														
STATION - NE NO 77014											RAYSIDE SUDBURY AIRSHED														
											MONTH - FEB 78														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	18	27	19	12	8	2	4
2	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	5	10	7	5	8	10	10	7	8	3
3	6	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1
4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	1	2	1	2	1	1	0	0	0	0	2	3	4	3	3	2	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0
15	1	1	1	1	1	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	0
16	2	5	3	4	2	2	1	0	0	0	0	0	0	2	3	3	2	0	2	0	3	3	3	2	1
17	1	3	1	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	4	3	5	5	5	6	7	7	4	4	4	3	3	0	0	1	0	0	1	2	3	3	5	5	1
21	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	15	8	6	2	2	5	7	13	3
25	4	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	1	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	0	0	1	0	0	0	0	2	1	1	1	2	0	0	0	0	0	0	0	1	1
MEAN	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77014												RAYSIDE SUDBURY AIRSHED												MONTH - JUL 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	0	0	0	0	1	1	0	0	0	0	16	5	3	3	3	4	5	2	1	0	1	1	1	1	2										
2	1	2	0	0	1	1	0	0	0	0	0	0	3	0	0	1	2	1	1	0	1	2	0	0	1										
3	0	1	1	1	1	0	0	0	1	4	4	5	3	2	0	0	0	0	1	4	0	1	1	1	1										
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0										
5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
6	0	0	0	2	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	0										
8	2	1	2	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1										
9	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0										
11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0										
12	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
15	0	0	1	1	0	0	0	0	0	0	0	0	0	0	8	4	1	0	2	1	1	0	0	0	1										
16	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
17	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0										
18	2	1	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
22	0	0	0	3	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	0											
24	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
25	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
26	1	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0										
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	0	1	0										
31	0	1	0	1	1	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
MEAN	0	0	0	1	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0.3										

PERCENTAGE OF DATA VALID - 99.5

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77014		RAYSIDE SUDBURY AIRSHED												MONTH - AUG 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	2	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	0	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	0	1
14	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0
15	1	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
18	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
26	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
27	0	0	0	0	0	0	0	1	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	5	7	3	1	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 92.7

PERCENTAGE OF DATA INVALID - 7.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED												MONTH - NOV 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	2	4	1	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	1	2	3	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	0
13												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -										
14												- DATA INVALID -	- DATA INVALID -	- DATA INVALID -										
15																								
16	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	1	*****
17	2	1	0	0	0	0	0	0	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	5	1	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0
28	0	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	*****
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 84.9

PERCENTAGE OF DATA INVALID - 11.8

PERCENTAGE OF DATA UNAVAILABLE - 3.3

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED												MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	2	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	2	5	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	1	1	0	1	1	1	1	1	0	0	0	2	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	2	*****
15	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	3	6	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	1	3	1	0	0	0	0	0
25	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	1	1	1	1	1	*****
29	1	1	1	0	1	1	1	0	1	2	1	1	3	3	2	2	1	1	0	1	3	4	*****	0
30	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	1	2	2	2	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.2

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.5	5	21
FEB	28	0.7	4	27
MAR	31	0.6	6	22
APR	30	0.3	3	17
MAY	23	0.7	10	75
JUN	30	0.5	3	23
JUL	31	0.3	2	16
AUG	29	0.1	1	7
SEP	28	0.1	1	10
OCT	31	0.1	1	6
NOV	25	0.1	1	7
DEC	31	0.2	1	6
YEAR	348	0.3	10	75

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77014 RAYSIDE SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	731	8	2	2	1	0	0	0	744
FEB	649	16	3	2	0	1	0	0	671
MAR	719	11	4	8	1	0	0	0	743
APR	711	6	2	1	0	0	0	0	720
MAY	563	2	0	0	0	1	1	2	569
JUN	709	3	2	0	1	0	0	0	715
JUL	738	1	0	1	0	0	0	0	740
AUG	688	2	0	0	0	0	0	0	690
SEP	683	3	0	0	0	0	0	0	686
OCT	735	1	0	0	0	0	0	0	736
NOV	610	1	0	0	0	0	0	0	611
DEC	709	3	0	0	0	0	0	0	712
YEAR	8245	57	13	14	3	2	1	2	8337

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.2	0	0.0	0.0	0.0	0.0	0.5	1.3	3.1	5.5	75	0.3









ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	11	102
FEB	28	1.5	8	34
MAR	31	1.8	9	50
APR	30	0.6	3	17
MAY	31	1.8	7	81
JUN	30	2.1	7	28
JUL	31	1.6	6	37
AUG	31	0.8	6	37
SEP	30	1.1	5	41
OCT	31	0.7	2	4
NOV	30	0.5	1	7
DEC	30	0.7	2	8
YEAR	364	1.2	11	102

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	695	28	8	2	0	0	1	1	735
FEB	612	27	6	6	6	3	0	0	660
MAR	676	34	16	2	2	5	1	1	737
APR	671	7	1	2	0	0	0	0	681
MAY	700	23	8	3	1	1	0	1	737
JUN	648	36	16	7	5	3	0	0	715
JUL	694	29	3	3	1	1	0	0	731
AUG	720	3	3	0	1	2	0	0	729
SEP	685	15	5	3	2	1	1	0	712
OCT	735	0	0	0	0	0	0	0	735
NOV	713	1	0	0	0	0	0	0	714
DEC	715	6	0	0	0	0	0	0	721
YEAR	8264	209	66	28	18	16	3	3	8607

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.3	0	0.0	0.0	0.1	0.7	2.1	4.0	8.5	13.0	102	1.2













ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77017 MORGAN SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.8	4	13
FEB	28	0.5	6	35
MAR	31	0.4	5	22
APR	30	0.2	1	10
MAY	31	0.2	2	12
JUN	30	0.2	2	18
JUL	31	0.2	1	9
AUG	31	0.1	0	3
SEP	30	0.1	1	7
OCT	31	0.0	0	2
NOV	30	0.0	0	3
DEC	31	0.1	1	6
YEAR	365	0.2	6	35

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77017 MORGAN SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	61 TO 65	66 TO 70	71 TO 75	76 TO 80	81 TO 85	86 TO 90	91 TO 95	96 TO 100	TOTAL
JAN	717	21	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	742
FEB	652	7	9	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	670
MAR	729	4	7	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	743
APR	713	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	720
MAY	734	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	736
JUN	714	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	720
JUL	741	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	742
AUG	743	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	743
SEP	716	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	719
OCT	743	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	743
NOV	719	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	719
DEC	738	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	739
YEAR	8659	48	22	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8735

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
99.7	0	0.0	0.0	0.0	0.0	0.0	0.9	2.6	4.6	35	0.2











ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.7	3	13
FEB	28	0.9	3	22
MAR	30	0.5	2	23
APR	30	0.3	3	16
MAY	31	0.4	1	9
JUN	30	0.4	2	16
JUL	31	1.1	2	10
AUG	27	0.6	2	5
SEP	30	0.1	1	12
OCT	31	0.2	1	2
NOV	30	0.1	1	4
DEC	26	0.2	2	14
YEAR	355	0.5	3	23

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77018 ST. CHARLES SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	40 TO 49	50 & OVER	TOTAL
JAN	732	7	2	0	0	0	0	0	741
FEB	647	15	4	2	1	0	0	0	669
MAR	725	5	2	0	1	0	0	0	733
APR	709	7	2	1	0	0	0	0	719
MAY	733	8	0	0	0	0	0	0	741
JUN	711	5	1	1	0	0	0	0	718
JUL	738	5	0	0	0	0	0	0	743
AUG	664	0	0	0	0	0	0	0	664
SEP	718	0	2	0	0	0	0	0	720
OCT	739	0	0	0	0	0	0	0	739
NOV	720	0	0	0	0	0	0	0	720
DEC	655	4	2	0	0	0	0	0	661
YEAR	8491	56	15	4	2	0	0	0	8568

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.8	0	0.0	0.0	0.0	0.0	1.1	1.8	2.8	4.6	23	0.5



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77019		GRASSY LAKE SUDBURY AIRSHED												MONTH - MAY 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
31																									
MEAN																									

PERCENTAGE OF DATA VALID - 65.6 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 33.9

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77019		GRASSY LAKE SUDBURY AIRSHED												MONTH - JUN 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN																									

PERCENTAGE OF DATA VALID - 80.3 PERCENTAGE OF DATA INVALID - 19.7 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. "-" INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77019 GRASSY LAKE SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY	20	0.5	1	9
JUN	22	0.7	3	18
JUL	31	0.3	2	4
AUG	30	0.1	1	2
SEP	30	0.2	1	4
OCT	11	0.2	1	3
YEAR	144	0.3	3	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77019 GRASSY LAKE SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 39	40 TO 49	50 & OVER	TOTAL
JAN	DATA UNAVAILABLE								
FEB	DATA UNAVAILABLE								
MAR	DATA UNAVAILABLE								
APR	DATA UNAVAILABLE								
MAY	481	7	0	0	0	0	0	0	488
JUN	571	4	1	2	0	0	0	0	578
JUL	744	0	0	0	0	0	0	0	744
AUG	731	0	0	0	0	0	0	0	731
SEP	719	0	0	0	0	0	0	0	719
OCT	269	0	0	0	0	0	0	0	269
YEAR	3515	11	1	2	0	0	0	0	3529

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
79.9	0	0.0	0.0	0.0	0.0	0.7	1.1	1.9	2.8	18	0.3













ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON												MONTH - AUG 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	1	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0
15	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0
19	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0
23	1	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	8	13	0	0	0	8	4	9	5	7	11	0	0	0	3
27	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	1	1	0	1	1	0
28	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	2	0
30	0	0	0	0	0	1	0	0	0	0	0	2	10	1	6	0	0	0	0	12	7	0	0	2
31	0	0	0	0	2	1	1	1	0	0	0	0	0	1	4	20	27	20	13	2	1	0	0	4
MEAN	0	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.7 PERCENTAGE OF DATA UNAVAILABLE - 0.8

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77028 GOVERNMENT/EDWARD ST CONISTON															MONTH - SEP 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	0	0	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2
3	2	2	2	2	1	1	1	1	1	12	3	4	5	3	1	1	0	0	0	1	0	0	0	0	2
4	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	1	1	1	2	1	3	4	1	1
5	0	0	0	0	0	1	1	1	1	0	0	0	0	2	2	3	4	3	2	3	4	1	3	0	1
6	0	0	0	0	0	0	0	0	0	2	0	1	1	0	6	1	1	0	1	0	0	0	0	0	1
7	0	0	0	0	0	0	0	8	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	1	10	48	41	83	91	46	9	5	1	0	0	0	2	14
9	4	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	1	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1
15	1	1	2	2	1	1	1	1	2	2	0	0	0	0	0	0	0	0	1	4	0	0	0	1	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0
20	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	2	3	3	0	0	0	3	2	2	2	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	1	0
27	1	1	1	1	1	1	5	0	1	3	1	0	7	1	1	2	2	0	0	0	0	0	0	0	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	0	0	0	0
MEAN	0	0	0	0	0	1	0	0	1	1	1	2	2	3	4	2	1	1	1	0	0	0	0	0	1.0

PERCENTAGE OF DATA VALID - 98.9 PERCENTAGE OF DATA INVALID - 0.4 PERCENTAGE OF DATA UNAVAILABLE - 0.7

- NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
 2. \*\* INDICATES DATA IS UNAVAILABLE  
 3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77028												GOVERNMENT/EDWARD ST CONISTON												
MONTH - DEC 78												MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	1	1	1	1	1	1	0	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	2	3	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2
12	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	1
13	2	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	3	3	2	0	1	1	1	1	1	1	1	1	1
15	-	-	-	-	-	-	-	-	-	-	2	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1
19	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0
21	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	1	1	0	1	0	0	0	0
22	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0
23	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	13	9	9	9	8	8	3
29	7	4	2	1	0	0	0	0	0	2	1	-	-	-	1	1	1	1	1	0	1	1	1	1
30	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1
31	1	1	1	1	1	1	1	2	3	0	0	0	0	0	4	3	1	0	0	1	1	1	0	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	1	0.4

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 2.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77028		GOVERNMENT/EDWARD ST CONISTON			
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	2.0	13	67	
FEB	28	2.7	18	52	
MAR	31	2.5	14	61	
APR	30	1.4	7	28	
MAY	27	1.6	5	34	
JUN	30	1.9	8	39	
JUL	31	0.7	4	41	
AUG	31	0.5	4	27	
SEP	30	1.0	14	91	
OCT	31	0.4	2	10	
NOV	30	0.7	3	44	
DEC	30	0.4	3	13	
YEAR	360	1.3	18	91	

POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77052		LOCKERBY SUDBURY AIRSHED												MONTH - FEB 78											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	1	13	2	1	***	9	3	1	1	1	2	1	3	8	2
2	5	1	0	0	0	0	0	***	3	***	***	***	0	0	0	0	-	-	-	-	-	-	-	-	***
3																									
4																									
5																									
6																									
7																									
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
9	0	0	0	0	2	1	0	0	***	0	1	0	2	2	2	3	2	1	1	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	11	7	5	4	3	3	2	2	2	2	2	0	0	0	2
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	***	0	0	1	0	0	0	***	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	***	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	1	5	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 79.8

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 17.1

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77052															LOCKERBY SUDBURY AIRSHED										
															MONTH - MAR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	1	0	0	-	-	1
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	0	0	0	0	*****
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	1	1	2	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	2	3	1	0	0	0	0	0	1	2	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	2	2	1	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	2	4	7	3	4	6	2	1	0	0	0	0	3	1	2	1
20	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	***	0	0	-	-	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	4	5	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15	17	9	2
26	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	1	1	1	1	4	0	0	2	2	2	2	2	7	4	3	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	0	0.2

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 2.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED												MONTH - JUN 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	0	4	0	0	0	0	8	0	*****
3	0	0	0	0	0	0	0	0	2	17	3	25	51	22	30	26	19	16	0	0	0	0	0	0	9
4	0	0	0	0	0	0	0	3	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	20	21	11	6	2	4	0	0	0	3
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	0
9	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	3	6	18	7	0	0	1	0	0	0	2	1	11	14	9	2	0	0	0	0	2	2	0	3
15	0	0	0	2	10	4	1	0	0	2	7	17	4	2	0	0	0	0	0	0	0	0	0	0	2
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	16	3	2	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	1	19	20	7	3	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	1	2	0	3	0	1	1	0	1
22	0	0	0	0	0	0	0	3	5	5	0	0	0	2	3	1	1	0	4	2	0	0	1	0	1
23	0	0	2	0	0	0	0	0	0	0	0	0	0	10	11	15	6	0	0	0	1	0	0	0	2
24	0	0	0	0	0	1	0	3	9	11	9	3	0	1	0	0	0	0	0	0	0	0	1	0	2
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	0	0	0	0	0	0
27	0	0	0	0	0	4	2	0	0	0	0	0	0	2	4	0	0	1	2	2	0	0	0	0	1
28	0	0	3	1	1	3	0	0	0	2	13	10	1	1	0	0	1	0	0	0	0	0	1	1	2
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	2	4	0	0	0	0	0	0	1	1	1	2	7	2	1	0	0	0	0	1
MEAN	0	0	0	1	1	0	0	0	1	1	1	2	3	3	4	3	2	1	0	0	0	0	1	0	1.1

PERCENTAGE OF DATA VALID - 92.2

PERCENTAGE OF DATA INVALID - 2.8

PERCENTAGE OF DATA UNAVAILABLE - 5.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																
STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED												MONTH - JUL 78																
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	0	0	0	0	0	0	0	0	0	1	9	18	6	2	4	12	8	4	1	0	0	1	0	0	3			
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
4	0	0	0	0	0	0	0	0	0	3	8	1	0	2	1	0	0	0	0	0	0	0	0	0	0			
5	0	0	0	0	0	0	0	0	2	9	11	0	0	0	0	0	0	0	0	0	0	0	0	0	1			
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0			
8	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
10	1	1	0	0	0	4	2	0	0	0	0	0	0	4	0	0	1	0	0	0	0	0	0	0	1			
11	1	3	1	3	2	2	4	8	6	38	40	21	16	16	20	21	37	21	0	1	0	0	0	2	11			
12	0	2	1	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
13	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0			
14	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0			
15	- DATA INVALID -																											
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
20	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
21	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0			
22	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
24	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
30	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0			
MEAN	0	0	0	0	0	0	0	1	0	2	3	1	1	1	1	1	2	1	0	0	0	0	0	0	0			

PERCENTAGE OF DATA VALID - 90.7

PERCENTAGE OF DATA INVALID - 9.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY



POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77052 LOCKERBY SUDBURY AIRSHED												MONTH - DEC 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	1	2	****	1	1	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	1	1	1	1	1	2	****	3	1	1	0	0	0	0	0	0	0	0	0	0	0	1
8	0	0	0	3	1	0	2	1	****	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1
9	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	0
12	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	1	****	0	1	0	****	1	1	1	1	1	1	0	0	0	0
15	0	0	0	0	0	0	0	1	****	2	1	4	2	1	1	0	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1
17	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0
18	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	****	1	0	1	1	0	0	0	1	1	0	0	0	0	0
20	0	0	0	0	0	0	0	1	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0
21	0	1	0	0	0	0	1	1	0	****	0	0	0	0	0	1	2	1	1	1	0	1	0	0
22	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	3	2	2	3	1	0	0	1	1	0	0	0	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	1	0
27	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	****	3	1	1	0	0	0	0	1	3	2	3	3	4	3	1
29	3	2	2	2	2	1	0	0	2	****	****	1	1	2	1	1	1	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0
31	0	0	1	1	1	0	0	0	0	0	1	1	1	0	2	2	1	1	0	0	1	1	1	0
MEAN	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 1.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77052	LOCKERBY SUDBURY AIRSHED			
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	0.4	3	11
FEB	22	0.3	2	13
MAR	30	0.2	2	17
APR	26	1.4	19	60
MAY	25	1.2	11	75
JUN	28	1.1	9	51
JUL	28	0.7	11	40
AUG	31	0.3	4	31
SEP	30	0.5	6	47
OCT	31	0.2	1	8
NOV	25	0.5	3	12
DEC	31	0.3	1	4
YEAR	336	0.6	19	75

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY												MONTH - FEB 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	3	1	0	5	1
2	8	6	9	1	8	2	1	2	1	1	1	2	3	2	4	3	7	12	15	15	9	6	7	7	6
3	6	6	4	1	0	0	0	0	0	0	0	1	1	1	1	2	4	3	2	2	1	1	1	1	2
4	2	1	0	0	0	0	0	0	0	0	0	1	3	4	2	2	1	1	1	1	1	1	1	0	1
5	1	0	0	0	0	1	1	1	0	6	11	1	0	0	1	3	3	3	5	5	3	0	0	0	2
6	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	1	0	5	3	4	5	1	1	3	6	9	6	4	4	5	7	6	3
11	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	2	2	2	2	2	2	***	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
17	0	0	0	0	0	0	0	0	0	3	3	3	10	9	7	4	2	2	1	1	0	0	0	0	2
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	7	30	24	10	7	3	2	2	3	6	5	4	3	2	3	5
20	3	3	2	3	3	3	***	4	3	2	0	4	6	5	8	11	4	3	4	3	3	1	0	0	3
21	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	***	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	***	3	0	0	0	4	10	5	7	9	4	3	2	2	2	1	1	2	2
24	1	1	1	1	1	1	***	0	0	0	0	0	0	0	1	4	2	7	8	9	12	21	5	4	
25	1	6	10	0	0	0	***	0	1	2	2	3	2	2	2	2	4	6	7	5	2	1	1	0	3
26	0	0	0	0	0	0	***	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	***	0	0	0	3	2	2	13	2	10	1	3	6	6	2	0	0	0	2
28	0	1	1	1	5	5	***	0	1	3	4	1	2	15	19	14	6	1	1	1	2	2	2	2	4
MEAN	1	1	1	0	1	1	0	0	0	1	2	2	2	2	2	3	2	2	2	2	2	1	2	1	1.4

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY												MONTH - MAR 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	3	3	3	3	****	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	****	0	0	0	0	0	2	4	4	6	0	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	****	0	0	***	0	0	0	1	3	6	3	0	0	1	0	0	0	0	1
4	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	3	4	3	1	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	****	0	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	0
7	0	0	0	0	0	0	****	0	0	0	0	0	0	0	19	22	21	24	14	11	12	11	8	5	6
8	4	5	4	4	2	2	2	1	2	0	2	4	5	4	8	0	0	0	0	0	1	2	0	3	2
9	2	0	0	0	0	0	****	0	0	0	0	0	0	0	0	3	4	0	1	0	0	0	0	0	0
10	0	0	0	0	0	0	****	0	0	0	0	0	****	1	1	2	1	2	2	2	2	2	2	2	1
11	2	6	5	4	4	5	****	3	1	1	2	1	1	3	3	2	3	4	2	1	1	1	2	3	3
12	2	2	2	2	2	1	****	1	2	2	18	7	9	46	69	22	10	6	9	3	0	2	3	5	10
13	4	2	1	1	1	1	0	0	0	0	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1
14	2	2	2	2	2	2	1	***	2	2	2	2	2	***	***	***	***	***	***	0	0	0	0	0	1
15	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	1	0	0	0	0	1	0	1	0
16	0	0	0	0	1	2	1	***	4	5	6	5	1	0	0	0	0	0	0	1	0	0	1	7	1
17	4	2	3	6	0	0	0	***	0	0	1	3	5	1	5	50	9	4	3	3	1	1	0	0	4
18	0	0	0	0	0	0	0	***	0	4	3	0	0	0	0	0	0	0	0	0	0	1	1	1	0
19	1	1	4	1	1	1	1	***	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
21	0	1	1	1	1	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	***	0	0	0	2	1	0	0	0	0	0	0	0	0	1	0	0	0
23	0	1	1	1	2	2	2	***	***	***	***	0	3	0	0	0	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	***	***	1	1	1	4	46	28	12	11	6	7	6
26	5	3	3	4	2	1	14	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
27	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	10	13	22	62	13	7	4	2	0	6
28	2	4	3	2	2	1	0	***	1	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	****	2	1	1	0	0	2	1	1	0	0	0	0	0	*****
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	2	4	5	3	3	5	2	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 85.2

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 9.7

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE															UNITS - 0.01 PARTS/MILLION										
STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY															MONTH - APR 78										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	6	2	1	8	5	1	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	17	2	3	7	0	0	2	0	0	0	1
10	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	3	0
12	0	0	0	0	0	0	0	0	0	3	2	13	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	5	3	1	0	1	0	0	2	0	0	0	0	0	2	1	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9	2	3	4	3	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	3	3	1
18	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	37	25	18	27	1	0	0	0	0	5
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	12	9	6	3	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	19	24	14	7	8	11	2	0	0	0	0	0	4
24	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	1	0	0	0	0	0	2	7	0	0	0	0	0	0	0	0	0	0	9	5	2	1	1
27	0	0	0	0	0	0	0	1	7	7	0	0	0	0	0	0	0	0	0	0	0	0	6	3	1
28	0	0	0	0	0	0	0	0	1	1	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	0	2	2	1	1	1	1	1	0	0.6

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 4.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE													UNITS - 0.01 PARTS/MILLION												
STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY													MONTH - MAY 78												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	18	37	0	14	17	7	10	9	1	2	3	3	1	2	1	1	1	6
5	0	1	1	1	0	0	0	1	19	15	24	11	1	9	4	7	0	0	0	0	0	0	0	0	4
6	0	0	0	0	1	1	2	2	1	0	0	0	4	8	12	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	0	0	31	18	9	8	15	0	18	1	1	0	1	0	0	0	0	4
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
9	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	7	6	3	1	0	0	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	1	1	0	1	0	
11	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	1	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
13	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	1	0	1	5	1	0	
15	0	0	0	0	3	10	12	5	13	2	0	6	0	0	0	0	0	0	0	0	0	0	0	0	
16	0	0	1	4	4	1	9	2	3	0	0	4	4	5	4	7	2	3	2	0	0	0	0	2	
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	11	0	0	0	0	0	0	0	0	
18	0	0	0	0	0	0	0	0	0	0	8	8	4	22	20	13	4	1	0	0	0	0	0	3	
19	0	0	0	0	0	0	0	0	0	0	0	0	10	16	6	6	6	2	1	1	1	1	4	3	
20	0	3	5	6	7	3	3	0	0	0	1	4	7	0	0	2	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	5	1	2	3	0	0	1	
22	0	0	0	0	0	0	0	0	0	0	0	0	5	7	8	3	2	0	0	0	0	0	0	1	
23	0	0	0	0	0	0	2	4	4	1	1	0	0	0	1	3	19	5	1	1	1	0	1	2	
24	0	0	0	0	0	0	0	0	6	3	4	1	0	1	2	9	4	1	0	0	0	1	1	1	
25	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	9	2	1	1	3	3	1	1	
26	0	0	0	0	0	0	0	0	0	5	3	0	0	0	0	1	1	2	1	1	1	1	1	1	
27	1	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	1	1	1	1	1	1	1	0	
28	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	2	2	2	3	3	3	2	2	1	
29	0	2	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	12	0	0	0	0	1	
31	0	0	0	0	0	0	0	3	18	3	0	2	7	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	1	1	1	1	3	2	3	2	2	3	3	2	1	2	1	1	1	1	1	0	1.3

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE







POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY												MONTH - DEC 78																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
1													- DATA INVALID -																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
2													- DATA INVALID -																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
3													- DATA INVALID -																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
4													- DATA INVALID -																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
5	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0</

PERCENTAGE OF DATA VALID - 81.9

PERCENTAGE OF DATA INVALID - 18.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

## POLLUTANT - SULPHUR DIOXIDE

## UNITS - 0.01 PARTS/MILLION

## STATION - NE NO 77065 FALCONBRIDGE ROAD SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	1.6	8	30
FEB	27	1.4	6	30
MAR	27	1.8	10	69
APR	30	0.6	5	37
MAY	31	1.3	6	37
JUN	30	0.9	5	45
JUL	31	0.5	6	36
AUG	31	0.5	6	36
SEP	27	0.7	4	31
OCT	31	0.1	1	12
NOV	26	0.8	9	50
DEC	26	0.3	2	19
YEAR	344	0.9	10	69

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77065

FALCONBRIDGE ROAD SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN	618	39	13	5	2	1	0	0	0	0	0	678
FEB	589	41	9	1	2	1	0	0	0	0	0	643
MAR	594	18	9	2	5	1	2	3	0	0	0	634
APR	666	13	4	3	2	2	0	0	0	0	0	690
MAY	679	29	11	9	2	2	0	0	0	0	0	732
JUN	676	12	15	5	0	4	2	0	0	0	0	714
JUL	712	7	7	3	1	2	0	0	0	0	0	732
AUG	698	15	3	3	0	2	0	0	0	0	0	721
SEP	618	11	8	2	2	1	0	0	0	0	0	642
OCT	721	1	1	0	0	0	0	0	0	0	0	723
NOV	592	6	3	4	3	2	1	1	1	1	0	612
DEC	600	7	1	1	0	0	0	0	0	0	0	609
YEAR	7763	199	84	38	19	18	5	4	0	0	0	8130

## FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.8	0	0.0	0.0	0.0	0.0	1.6	4.5	10.3	15.3	69	0.9

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77066

TEMAGAMI SUDBURY AIRSHED

MONTH - MAY 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16	-	-	-	-	-	-	-	-	-	****	0	0	0	0	0	0	0	0	0	0	1	1	0	0	*****
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	1	8	5	1	1	2	3	1	1	1	3	0	0	0	1
19	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	1	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	3	4	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	***	***	1	2
25	2	2	1	***	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	1	6	0	0	0	0	0	0	0	2	2	0	0	0
27	1	1	1	1	1	1	0	0	0	0	2	2	2	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	1	1	1	4	2	***	2	0	0	0	0	1	1	1	1	1	1	1	1
29	0	1	1	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	***	***	0	0	0	0	0	0	***	***	0	0
31	2	2	1	0	0	0	1	0	1	3	3	1	1	0	1	1	0	0	0	0	0	0	0	0	1
MEAN	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	1	1	0	0	0.4

PERCENTAGE OF DATA VALID - 49.2

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 49.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. \*\*\* INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY





POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77066 TEMAGAMI SUDBURY AIRSHED												MONTH - OCT 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
5	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	1	2	1	2	2	1	2	0	0	0	0	2	2	2	3	3	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16												- DATA UNAVAILABLE -													
17												- DATA UNAVAILABLE -													
18												- DATA UNAVAILABLE -													
19												- DATA UNAVAILABLE -													
20												- DATA UNAVAILABLE -													
21												- DATA UNAVAILABLE -													
22												- DATA UNAVAILABLE -													
23												- DATA UNAVAILABLE -													
24												- DATA UNAVAILABLE -													
25												- DATA UNAVAILABLE -													
26												- DATA UNAVAILABLE -													
27												- DATA UNAVAILABLE -													
28												- DATA UNAVAILABLE -													
29												- DATA UNAVAILABLE -													
30												- DATA UNAVAILABLE -													
31												- DATA UNAVAILABLE -													
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0.1

PERCENTAGE OF DATA VALID - 33.5

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 66.5

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE					UNITS - 0.01 PARTS/MILLION				
STATION - NE NO 77066 TEMAGAMI SUDBURY AIRSHED									
MONTH	NO OF DAYS		AVERAGE CONCENT		24-HOUR MAXIMUM		MAXIMUM READING		
JAN			DATA UNAVAILABLE						
FEB			DATA UNAVAILABLE						
MAR			DATA UNAVAILABLE						
APR			DATA UNAVAILABLE						
MAY	15		0.4		1		8		
JUN	28		0.4		2		12		
JUL	31		0.1		1		4		
AUG	28		0.0		1		9		
SEP	30		0.3		1		16		
OCT	10		0.1		1		4		
YEAR	142		0.2		2		16		





ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.     "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77067 CHINIGUCHI SUDBURY AIRSHED												MONTH - JUL 78													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
5	0	0	1	5	4	5	18	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	1	0	0	0	1	4	2	1	2	3	10	12	3	6	5	2	2	1
8	1	1	6	8	6	4	5	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	1	1	1	1	1	0	0	0	0	1	5	6	4	3	0	7	3	0	1	1	1	1	0	2
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8	10	1	2	1	1
13	0	0	0	0	0	0	2	2	1	0	0	2	4	2	1	1	1	1	1	1	1	1	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	10	6	1	2	1	0	1
15	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	0
22	1	1	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	1	1	1	1	1	1	0															

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2.        "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "N-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE  
2. "-" INDICATES DATA IS UNAVAILABLE  
3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE																UNITS - 0.01 PARTS/MILLION									
STATION - NE NO 77067 CHINIGUCHI SUDBURY AIRSHED																MONTH - OCT 78									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	1	0	1	0
3	1	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	4	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9																- DATA INVALID -									
10																- DATA INVALID -									
11																- DATA INVALID -									
12																- DATA INVALID -									
13																- DATA INVALID -									
14																- DATA INVALID -									
15																- DATA INVALID -									
16																- DATA INVALID -									
17																- DATA UNAVAILABLE -									
18																- DATA UNAVAILABLE -									
19																- DATA UNAVAILABLE -									
20																- DATA UNAVAILABLE -									
21																- DATA UNAVAILABLE -									
22																- DATA UNAVAILABLE -									
23																- DATA UNAVAILABLE -									
24																- DATA UNAVAILABLE -									
25																- DATA UNAVAILABLE -									
26																- DATA UNAVAILABLE -									
27																- DATA UNAVAILABLE -									
28																- DATA UNAVAILABLE -									
29																- DATA UNAVAILABLE -									
30																- DATA UNAVAILABLE -									
31																- DATA UNAVAILABLE -									
MEAN	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 23.4

PERCENTAGE OF DATA INVALID - 29.8

PERCENTAGE OF DATA UNAVAILABLE - 46.8

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77067 CHINIGUCHI SUDBURY AIRSHED

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN			DATA UNAVAILABLE	
FEB			DATA UNAVAILABLE	
MAR			DATA UNAVAILABLE	
APR			DATA UNAVAILABLE	
MAY	10	1.5	5	25
JUN	28	0.7	4	21
JUL	30	0.5	3	18
AUG	31	0.1	1	4
SEP	25	0.2	1	8
OCT	7	0.1	0	4
YEAR	131	0.5	5	25

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77067 CHINIGUCHI SUDBURY AIRSHED

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 & OVER	TOTAL
JAN												
FEB												
MAR												
APR												
MAY	252	10	5	2	2	0	0	0	0	0	0	271
JUN	671	18	4	0	1	0	0	0	0	0	0	694
JUL	709	12	1	1	0	0	0	0	0	0	0	723
AUG	736	0	0	0	0	0	0	0	0	0	0	736
SEP	622	1	0	0	0	0	0	0	0	0	0	623
OCT	174	0	0	0	0	0	0	0	0	0	0	174
YEAR	3164	41	10	3	3	0	0	0	0	0	0	3221

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
72.9	0	0.0	0.0	0.0	0.0	0.9	2.1	4.6	7.4	25	0.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77075

KENNEDY ST NEW SUDBURY

MONTH - JAN 78

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	3	3	2	2	2	3	2	2	2	2	3	2	3	2	3	2	3	2	2	2	2	2	2	2
2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	3	3	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	1	0	0	0	1	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	2	1	12	6	20	6	8	9	8	8	5	11	4	7	11	7	1	1	1	1	1	1
7	1	3	2	7	1	4	5	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	2	1	2	2	2	2	5	4	2	3	3	2	1	1	1	1	0	0	0	1	2
9	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1
10	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	2	4	1
11	3	3	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	1	0	1	1	2	1
12	2	2	2	2	2	2	2	2	1	0	0	1	4	4	4	4	4	7	8	5	5	4	4	4	3
13	4	4	4	4	3	3	3	7	6	3	13	44	6	3	2	1	1	1	1	1	2	1	1	1	1
14	1	1	1	2	4	3	2	1	1	2	1	2	3	2	1	1	1	1	1	0	1	0	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	2	2	2	2	2	2	2	2	1	1	2	1	2	1	1	1	1	2	2	2	2	1	1	2
17	2	2	1	2	2	3	2	2	2	1	1	1	3	8	4	10	1	2	2	3	2	2	2	2	3
18	1	2	1	1	2	2	1	1	3	15	10	3	5	4	3	2	2	2	1	1	1	2	1	1	2
19	3	3	2	2	3	3	4	4	4	3	3	3	3	3	2	2	2	1	1	1	1	1	1	1	2
20	1	1	2	2	2	5	5	3	3	2	2	3	3	2	2	2	2	1	1	1	1	1	1	2	2
21	3	4	3	3	2	3	3	4	9	14	16	16	19	16	12	12	12	11	11	10	10	10	9	7	9
22	7	6	6	6	7	7	9	9	9	8	3	7	5	10	8	10	11	3	5	3	8	3	2	3	6
23	3	2	12	15	11	7	6	5	4	2	2	2	1	1	1	1	1	2	1	1	1	2	2	2	4
24	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4	5	4	4	4	3
25	4	4	3	3	3	2	2	5	1	1	5	1	4	5	5	5	4	5	4	4	4	4	3	3	3
26	2	3	3	3	3	3	3	3	4	3	3	3	3	2	1	1	1	1	1	1	1	1	1	2	2
27	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
28	1	1	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1
29	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
30	1	1	0	2	2	2	2	1	1	0	0	0	1	1	1	2	2	2	2	1	1	1	2	2	1
31	3	3	3	5	5	6	5	5	4	4	5	7	4	2	2	1	2	4	1	1	1	1	1	1	3
MEAN	2	2	2	3	2	3	3	3	3	3	3	4	3	3	3	3	3	3	2	2	2	2	2	2	2.5

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. "\*\*\*\*\*" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "\*\*\*\*\*" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY











POLLUTANT - SULPHUR DIOXIDE		UNITS - 0.01 PARTS/MILLION																							
STATION - NE NO 77075 KENNEDY ST NEW SUDBURY		MONTH - DEC 78																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	2	1	1	0	0	0	0	0	3	0	0	0	0	0	0	0	0	0	0	2	13	9
4	2	1	6	6	2	2	4	10	4	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0
8	0	2	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0
11	0	0	0	1	0	0	1	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	1	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0
15	-	-	-	-	-	-	-	-	-	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	1	0	1	0	0	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	5	0	0	0	0	0	0	0	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
27	0	0	1	3	1	0	0	1	-	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	2	2	1	1	2	2	3	2	2	1	2	1	1	1	1	2	2	1	2	2	3	3	3	3	2
29	3	2	3	3	2	2	1	3	5	6	4	-	-	2	2	2	2	3	2	2	3	3	3	3	2
30	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	2	3	2	2	2	2	2	2	2	2	2	3	6	3	2	3	2	3	3	3	2	-	2
MEAN	0	1	1	1	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0.5

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 2.6

NOTES 1. \*\*\*\*\* INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. \*\*\*\*\* INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

## ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

## MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1978

POLLUTANT - SULPHUR DIOXIDE

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77075 KENNEDY ST NEW SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.5	9	44
FEB	28	3.0	19	177
MAR	31	2.8	12	51
APR	25	1.1	3	24
MAY	31	1.7	6	39
JUN	30	1.5	8	36
JUL	31	0.8	6	44
AUG	31	0.3	6	32
SEP	30	0.9	6	35
OCT	31	0.2	1	11
NOV	30	0.7	5	20
DEC	30	0.5	3	13
YEAR	359	1.3	19	177

## MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1978

UNITS - 0.01 PARTS/MILLION

POLLUTANT - SULPHUR DIOXIDE

STATION - NE NO 77075 KENNEDY ST NEW SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 15	16 TO 20	21 TO 25	26 TO 30	31 TO 35	36 TO 40	41 TO 45	46 TO 50	51 TO 55	56 TO 60	61 TO 65	66 TO 70	TOTAL
JAN	668	46	15	5	0	0	1	0	0	0	0	0	0	0	735
FEB	590	49	5	6	2	5	3	3	1	0	0	0	0	0	663
MAR	674	35	9	3	6	4	4	4	1	0	0	0	0	0	736
APR	595	10	1	2	1	0	0	0	0	0	0	0	0	0	609
MAY	702	23	8	2	2	1	0	0	0	0	0	0	0	0	738
JUN	661	23	9	4	7	7	0	0	0	0	0	0	0	0	711
JUL	709	9	4	5	2	1	1	0	0	0	0	0	0	0	731
AUG	717	6	3	0	0	3	0	0	0	0	0	0	0	0	729
SEP	685	12	9	3	1	2	0	0	0	0	0	0	0	0	712
OCT	731	3	1	0	0	0	0	0	0	0	0	0	0	0	735
NOV	693	8	10	2	0	0	0	0	0	0	0	0	0	0	713
DEC	708	7	1	0	0	0	0	0	0	0	0	0	0	0	716
YEAR	8133	231	75	32	21	23	9	4	0	0	0	0	0	0	8528

## FREQUENCY DISTRIBUTION BY PERCENTILES

DISTRIBUTION BY PERCENTILES				CONCENTRATIONS							ARITH MEAN
PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	DISTRIBUTION 70	PERCENT 90	95	98	99	MAX	
97.4	0	0.0	0.0	0.0	0.7	2.4	4.7	9.8	15.6	177	1.3

② 110  
9138 外

LEGISLATIVE LIBRARY OF ONTARIO



\*9693600020204\*